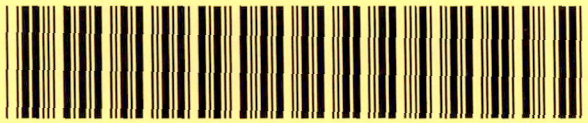
422IHSSF3125



DocumentID NONCD0002902

Site Name R.L. STOWE MILLS (FRMR CHRONICLE MILLS)

DocumentType Site Assessment Rpt (SAR)

RptSegment 1

DocDate 6/6/2012

DocRcvd 6/19/2012

Box SF3125

AccessLevel PUBLIC

Division WASTE MANAGEMENT

Section SUPERFUND

Program IHS (IHS)

DocCat FACILITY

June 6, 2012

Excel Environmental Associates, PLLC
Post Office Box 6172
Gastonia, NC 28056-6000
Telephone 704.853.0800
Facsimile 704.853.3949

RECEIVED
JUN 19 2012
NCDENR MRO IHSB

LETTER OF TRANSMITTAL

TO: Mr. Miguel Alvalle
NCDENR / DWM / Superfund Section
Inactive Hazardous Sites Branch
610 East Center Avenue, Ste 301
Mooresville, North Carolina 28115

RE: *Former Chronicle Mills*
96 East Catawba Street
Belmont, North Carolina
Excel Project No. 2011085

We are sending you: XX *Attached* _____ *Under Separate Cover via* _____

NO. COPIES	DATE	DESCRIPTION
1	6/6/2012	Limited Groundwater Assessment & Soil Clean-up Report

THESE ARE TRANSMITTED:

For approval XX *For your use* _____

As requested _____ *For review* _____

COMMENTS:

Enclosed please find the referenced report completed for the former Chronicle Mills facility in Belmont, NC. The assessment was completed for RLS Liquidating, LLC. Any questions, please call.

Sincerely yours,

Mike Stamforth
Principal Engineer

CC: Ed Sanz, RLS Liquidating, LLC

LIMITED GROUNDWATER ASSESSMENT & SOIL CLEAN-UP REPORT

(Former) Chronicle Mills Plant
96 East Catawba Street
Belmont, North Carolina
Excel Project No. 2011085

Prepared for:

Mr. Ed Sanz
RLS Liquidating, LLC
Post Office Box 651
Belmont, North Carolina 28012

RECEIVED
JUN 19 2012
NCDENR MRO IHSB

June 6, 2012

Prepared by:

Excel Civil & Environmental Associates, PLLC
Post Office Box 6172
Gastonia, NC 28056-6000
Telephone: 704.853.0800
Facsimile: 704.853.3949

Excel Civil & Environmental Associates, PLLC
625 Huntsman Court
Gastonia, North Carolina 28054
NC License No. P-0129
Telephone: (704) 853-0800
Facsimile: (704) 853-3949
Internet: www.excelengr.com

RECEIVED
JUN 19 2012
NCDENR MRO IHSB

June 6, 2012

Mr. Ed Sanz
RLS Liquidating, LLC
Post Office Box 651
Belmont, North Carolina 28012

Re: Limited Groundwater Assessment & Soil Clean-up Report
(Former) Chronicle Mills
96 East Catawba Street
Belmont, North Carolina
Excel Project Number **2011085**

Dear Mr. Sanz:

Excel Civil & Environmental Associates, PLLC (Excel) has completed a Limited Groundwater Assessment & Soil Clean-up Report for the above referenced property. The assessment and remediation activities included the installation of four (4) Type II Monitoring Wells, excavation and disposal of approximately 72.95-tons of contaminated soils and associated laboratory analysis of soil and groundwater samples. The activities were performed during March - April 2012 and were performed in accordance with proposed scope-of-work issued by Excel on March 9, 2012.

Expanded Phase I Summary

The subject property (Parcel ID No. 125928) is currently a vacant warehouse facility previously utilized for industrial purposes in the manufacturing of textiles. The site is currently occupied with multiple structures totaling approximately 108,000-square feet (sf) in size with associated asphalt and concrete parking/drive areas. Additional auxiliary structures were observed onsite at the time of the site visit including seven electrical transformers and multiple concrete pads. Remaining sections of the subject property were undeveloped, being mostly cleared with grass and landscaped areas surrounding the main building.

During the site inspection conducted on February 8, 2012, Excel observed significant surface staining on a concrete pad located off the southern building exterior within the area of the former Machine Shop. A mechanical room was observed to be located in the southern section of the building which appeared to formerly contained chillers, air/moisture control units,

electrical components and fire service lines. Located within this area were multiple insulated pipe runs which service various areas of the building and contain confirmed asbestos containing materials (ACMs). Three pad-mounted electrical transformers were observed to be located on the southern section of the building exterior. In addition, at least seven (7) electrical transformers were observed on various locations of the building exterior walls and one (1) within the southern auxiliary building interior on a wooden pallet. Significant surface staining was observed on a concrete pad located off the southern building exterior within the area of the former Machine Shop. In addition, a water supply well was observed to be located on the southern section of the property; currently it appears to be inactive.

Expanded Phase I Assessment Summary

As requested, Excel mobilized to the site on February 8, 2012 to complete two (2) soil borings and one (1) temporary monitoring well to assess the underlying soil and groundwater conditions within the area of the stained concrete pad and former "Machine Shop Area". In addition, the onsite water supply well was sampled to evaluate potential impact to the sensitive receptor with an attempt to sample onsite monitoring wells installed in regards to an offsite LUST incident.

Utilizing an Earthprobe® truck-mounted drill-rig, Excel installed one (1) temporary monitoring well (TMW-1) on the east-side of the stained concrete pad located adjacent to the former "Machine Shop Area". Soil samples were collected during the installation of TMW-1 at 5-feet below grade level (fbgl) and 10-fbgl for laboratory analysis. An additional soil sample was collected with a hand-auger on the west side of the concrete pad at 5-fbgl. The well was installed to a terminal depth of approximately 30-feet below grade level (fbgl) utilizing solid-stem auger drilling technique and constructed of 10-feet of two inch diameter PVC well screen and 30-feet of two inch diameter well casing. Groundwater was observed to be located on average at approximately 21-fbgl. Monitoring wells MW-9 and MW-11 related to NCDENR Incident No. 14196 were observed to be abandoned; therefore samples were not collected from these locations.

Soil samples collected during the Expanded Phase I Assessment activities were analyzed for Total Petroleum Hydrocarbons (TPH) both Diesel and Gasoline Range Organics (DRO and GRO, respectively) by EPA Methods 3550 and 5030, respectively. Soil samples were placed in laboratory supplied containers and submitted to Shealy Environmental Services, Incorporated (SESI) of West Columbia, South Carolina for the afore-mentioned analysis. A summary of the soil laboratory analysis is as follows:

Table 1 - Expanded Phase Soil Analytical Summary

Sample ID	Date Collected	Depth	TPH-DRO (mg/kg)	TPH-GRO (mg/kg)
B-1 / SS-1	2/8/12	5-fbgl	27	**87**
B-1 / SS-2		10-fbgl	< 8.9	9.1
B-2		5-fbgl	**840**	**21**
	NCDENR Action Level (mg/kg)		**40**	**10**

Review of the soil analytical data confirms samples collected from B-1/SS-1 and B-2 contain levels of petroleum hydrocarbons which exceed the North Carolina Department of Environment and Natural Resources (NCDENR) Action Levels for TPH-DRO and/or TPH-GRO (refer to **Table 1**) of 40 mg/kg and 10 mg/kg. DRO levels were found to range from below laboratory detection limits (BDL) to 840 mg/kg and GRO levels ranging from 9.1 mg/kg to 87 mg/kg.

Groundwater samples collected were collected from the temporary monitoring well TMW-1 and the onsite water supply well SW-1 and laboratory analyzed for volatile organic compounds (VOCs) by EPA Method 8260. Groundwater samples were placed in laboratory supplied containers and submitted to SESI for the afore-mentioned analysis. A summary of the groundwater laboratory analysis is as follows:

Table 2 - Expanded Phase I Groundwater Analytical Summary

Sample ID	Date Collected	Depth to Groundwater	cis-1,2-Dichloroethene (ug/L)	Tetrachloroethene (ug/L)
TMW-1	2/8/12	22.00-fbgl	2.2	**7**
SW-1		20.80-fbgl	< 1	< 1
	NCDENR 2L Standard (ug/L)		**70**	**0.7**

Review of groundwater sample data collected from temporary monitoring well (TMW-1) indicates the presence of tetrachloroethene (PCE) at a level of 7.0 ug/L which exceeds the NCDENR Drinking Water Standard (NCAC 2L Standard) of 0.7 ug/L (refer to **Table 2**). Samples collected from the water supply well were found to be BDL for all constituents.

Limited Field Activities & Testing Summary

As recommended, Excel mobilized to the site on March 26, 2012 to complete four (4) Type II monitoring wells, MW-1 thru MW-4, to assess the underlying soil and groundwater conditions along the front and rear of the subject building (refer to **Figure 2**). Monitoring wells MW-1 thru MW-4 were installed to a terminal depth of approximately 30-feet below grade level (fbgl) utilizing solid-stem auger drilling technique and constructed of 15-feet of 2"-diameter PVC well screen and 15-feet of 2"-diameter well casing.

In order to assess shallow soil conditions at each of the four monitoring well locations, one soil sample was collected during the installation of each monitoring well from approximately 5-fbgl and placed into the appropriate laboratory containers and sent to Shealy Environmental Services, Incorporated (Shealy) a North Carolina certified laboratory to be analyzed for volatile organics by EPA Method 8260.

On March 27, 2012 Excel collected groundwater samples from each of the newly installed wells. Prior to sampling static water levels were collected and each well purged of a minimum of three well volumes. The liquid level data collected was utilized to complete a water table contour map (refer to **Figure 3**) to illustrate groundwater flow direction. The groundwater samples were placed into laboratory supplied containers and sent to Shealy a North Carolina certified laboratory to be analyzed for volatile organics by EPA Method 8260.

Review of the soil analytical data indicates only one soil sample collected from MW-1 contained levels of naphthalene which exceed the North Carolina Department of Environment and Natural Resources (NCDENR) Soil-to-Water Maximum Soil Contaminant Concentration (MSCCs) Levels (refer to **Table 3** and **Figure 2**) of 0.16 mg/kg. None of the remaining soil samples indicated any constituents which exceeded the above-mentioned standard, furthermore no samples were found to contain any elevated levels of tetrachloroethene as to indicate the potential source of the groundwater contamination. A summary of the soil laboratory analysis is as follows:

Table 3 - Limited Assessment Soil Analytical Summary

Sample ID	Date Collected	Depth	Naphthalene (mg/kg)	Tetrachloroethene (mg/kg)
MW-1 / SS-1	3/26/12	5-fbgl	**0.42**	< 0.0069
MW-2 / SS-1			< 0.32	< 0.0055
MW-3 / SS-1			0.081	< 0.0051
MW-4 / SS-1			0.0062	< 0.0056
	Soil-to-Water MSCCs (mg/kg)		**0.16**	**0.0074**

Groundwater samples collected from monitoring wells MW-2, MW-3 and MW-4 indicates the presence of tetrachloroethene (PCE) at levels ranging from 8.7 ug/L to 59 ug/L which exceeds the NCDENR Drinking Water Standard (NCAC 2L Standard) of 0.7 ug/L (refer to **Table 4** and **Figure 4**). Samples collected from the water supply well were found to be BDL for all constituents. A summary of the groundwater laboratory analysis is as follows:

Table 4 - Limited Assessment Groundwater Analytical Summary

Sample ID	Date Collected	Depth to Groundwater	Naphthalene (ug/L)	Tetrachloroethene (ug/L)
MW-1	3/27/12	22.55-fbgl	< 1	< 1
MW-2		24.25-fbgl	2.2	**29**
MW-3		24.81-fbgl	**28**	**8.7**
MW-4		23.00-fbgl	**47**	**59**
	NCDENR 2L Standard (ug/L)		**6**	**0.7**

Soil Cleanup Activities

On March 26, 2012, Excel contracted with Harvest Environmental Service, Incorporated (Harvest) of Charlotte, North Carolina for the removal of impacted soils at the location of borings B-1 and B-2 (refer to **Figure 5**). A total of 68.99-tons of impacted soils were removed from the designated location and transported for disposal to Environmental Soils, Incorporated in Lattimore, North Carolina (refer to **Appendix C** for manifests). Following excavation activities soil samples were collected from the base of the excavation at approximately 10-fbgl and from each of the four sidewalls at approximately 5-fbgl. The samples were placed into the appropriate laboratory containers and sent to a North Carolina certified laboratory to be analyzed for Total Petroleum Hydrocarbons (TPH) both Diesel Range Organics (DRO) and Gasoline Range Organics (GRO) by EPA Methods 3550C/8015C and 5030B/8015C, respectively.

Review of the laboratory data indicated one soil sample from the west sidewall (WSW) revealed TPH-GRO levels which exceeded the NCDENR action level of 10-mg/kg at 15-mg/kg (refer to **Table 5** and **Figure 5** for sample locations). The remaining soil samples were found to be below laboratory detection limits for all analysis.

Excel mobilized to the site again on May 1, 2012 for removal of the remaining impacted soils from the west sidewall. A total of 3.96-tons of soils were removed from the west sidewall and transported for disposal to Environmental Soils, Incorporated in Lattimore, North Carolina. One soil sample was collected from the newly exposed west sidewall (WSW-2) and placed into the appropriate laboratory containers and sent to a North Carolina certified laboratory to be analyzed for Total Petroleum Hydrocarbons (TPH) Gasoline Range Organics (GRO) by EPA Method 5030B/8015C.

Review of the laboratory data indicates the soil sample collected from the remaining west sidewall was found to be below laboratory detection limits for TPH-GRO. A summary of the soil clean-up samples laboratory analysis is as follows:

Table 5 - Soil Clean-up Soil Analytical Summary

Sample ID	Date Collected	Depth	TPH-DRO (mg/kg)	TPH-GRO (mg/kg)
BASE	3/26/12	10-fbgl	< 9	< 11
NSW		5-fbgl	< 9.3	< 8.1
ESW			< 9	< 9.6
SSW			< 9.4	< 10
WSW			< 8.4	**15**
WSW-2	5/1/12	5-fbgl	--	< 4.6
	NCDENR Action Level (mg/kg)		**40**	**10**

Summary & Recommendations

At this time, based on the information in this report, we recommend the following:

- In regards to the previously identified impacted soils at the location of soil borings B-1 and B-2, we recommend no further soil assessment or remediation within this area.

- In regards to the onsite groundwater contamination, both previously and currently identified, we recommend further assessment to identify the "potential" source of the contamination. Once groundwater contamination has been defined, both horizontally and vertically, to the NCDENR Drinking Water Standards, remediation alternatives can be devised and implemented based on applicability and cost feasibility.

- An alternative to remediation could be sought in the form of procuring a Brownfields Agreement between a future property owner/developer and the NCDENR, which may result in a reduction of responsibility to the current property owner and waive liability to the future property owner/developer.

Limitations

This report is based on a limited number samples and chemical analyses. The conclusions presented in this report are based only on the observation made during this investigation and/or on data provided by others. The report presents a description of the subsurface conditions observed at each boring/excavation location during this investigation. Subsurface conditions may vary significantly with time, particularly with respect to soil and groundwater elevations and quality. Conclusions and recommendations set forth herein are applicable only to the facts and conditions described at the time of this report.

In performing its professional services, Excel uses that degree of care and skill exercised under similar circumstances by members of the environmental profession practicing at the same or similar locality under similar conditions. The standard of care shall be judged exclusively as of the time these services are rendered and not according to later standards. Excel makes no express or implied warranty beyond its conformance to this standard. Excel shall not be responsible for conditions or consequences arising from the relevant facts that were concealed, withheld or not fully disclosed for this report. Excel believes that all information contained in this report is factual, but no guarantee is made or implied.

The report was prepared in general accordance with state and local conformance for the use and benefit of *RLS Liquidating, LLC,* their successors, and assignees. It is based, in part, upon documents, writings, and information owned, possessed, or secured by *RLS Liquidating, LLC.* Neither this report, nor any information contained herein shall be used or relied upon for any purpose by any other person or entity without the express written permission of *RLS Liquidating, LLC.*

Excel appreciates your business and looks forward to assisting you with your consulting needs in the future. If you have any questions or comments please feel free to contact us

Sincerely yours,

EXCEL CIVIL & ENVIRONMENTAL ASSOCIATES, PLLC

Thomas W. Garrison, III
Senior Project Manager

Michael T. Stanforth, P.E.
Principal Engineer

CERTIFICATIONS

REMEDIATNG PARTY

I certify that, to the best of my knowledge, after thorough investigation, the information contained in or accompanying this certification is true, accurate, and complete.

RLS Liquidating, LLC
By: Edward Sanz, Manager

NOTARIZATION

STATE OF NORTH CAROLINA
~~GASTON~~ COUNTY
Forsyth

I Alice L. Brantley a Notary Public of said County and State, do hereby certify that Edward Sanz did personally appear and sign before me this day, produced proper identification in the form of Dr. Lic was duly sworn or affirmed, and declared that, he or she is the duly authorized representative of the remediating party of the property referenced above and that, to the best of his or her knowledge and belief, after thorough investigation, the information contained in the above certification is true and accurate, and he or she then signed this certification in my presence.

WITNESS my hand and official seal this 6th day of June, 2012.

Notary Public (signature)

ALICE L. BRANTLEY NOTARY PUBLIC FORSYTH COUNTY, N.C. (OFFICIAL SEAL)

My commission expires: 9/25/15

Consultant

I certify that, to the best of my knowledge, after thorough investigation, the information contained in or accompanying this certification is true, accurate, and complete.

M.T. Stanforth, PE, DEE
Excel Civil and Environmental Associates, PLLC

NOTARIZATION
STATE OF NORTH CAROLINA
GASTON COUNTY

I, Donna E. Farris, a Notary Public of said County and State, do hereby certify that Michael T. Stanforth did personally appear and sign before me this day, produced proper identification in the form of NCDL, was duly sworn or affirmed, and declared that, he or she is the duly authorized environmental consultant of the remediating party of the property referenced above and that, to the best of his or her knowledge and belief, after thorough investigation, the information contained in the above certifications is true and accurate, and he or she then signed this Certification in my presence.
WITNESS my hand and official seal this 18th day of June, 2012.

Donna E. Farris (OFFICIAL SEAL)
Notary Public (signature)
My commission expires: 5/4/2013.

DONNA E. FARRIS NOTARY PUBLIC GASTON COUNTY, N.C.

SITE PHOTOGRAPHS

PHOTOGRAPH LOG	
PHOTOGRAPH NUMBER	PHOTOGRAPH REVIEW & COMMENT
1	Typical view of stained pad prior to excavation activities.
2	Typical view of excavation area during soils removal.
3	Typical view of excavation area during soils removal.
4	Typical view of excavation area during soils removal.

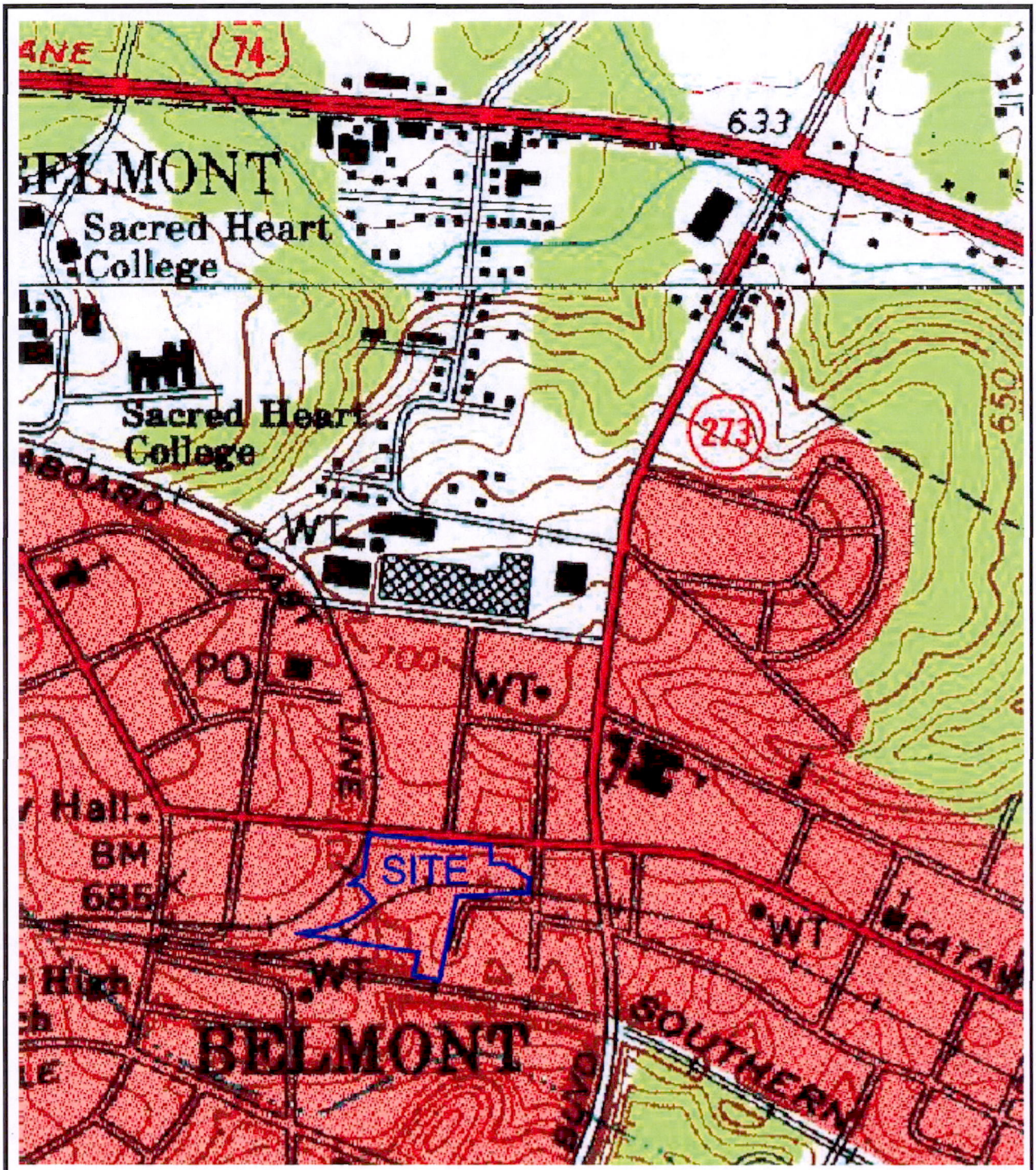
Photograph Number 1

Photograph Number 2

Photograph Number 3

Photograph Number 4

FIGURES



EXCEL CIVIL & ENVIRONMENTAL ASSOCIATES, PLLC
625 HUNTSMAN COURT
GASTONIA, NC 28054
(704) 853-08000

Figure 1 – Site Vicinity Map

Excel Project Number 2011085

Source: U.S.G.S. 7.5 Minute Topographic Map (www.terraserver-usa.com)

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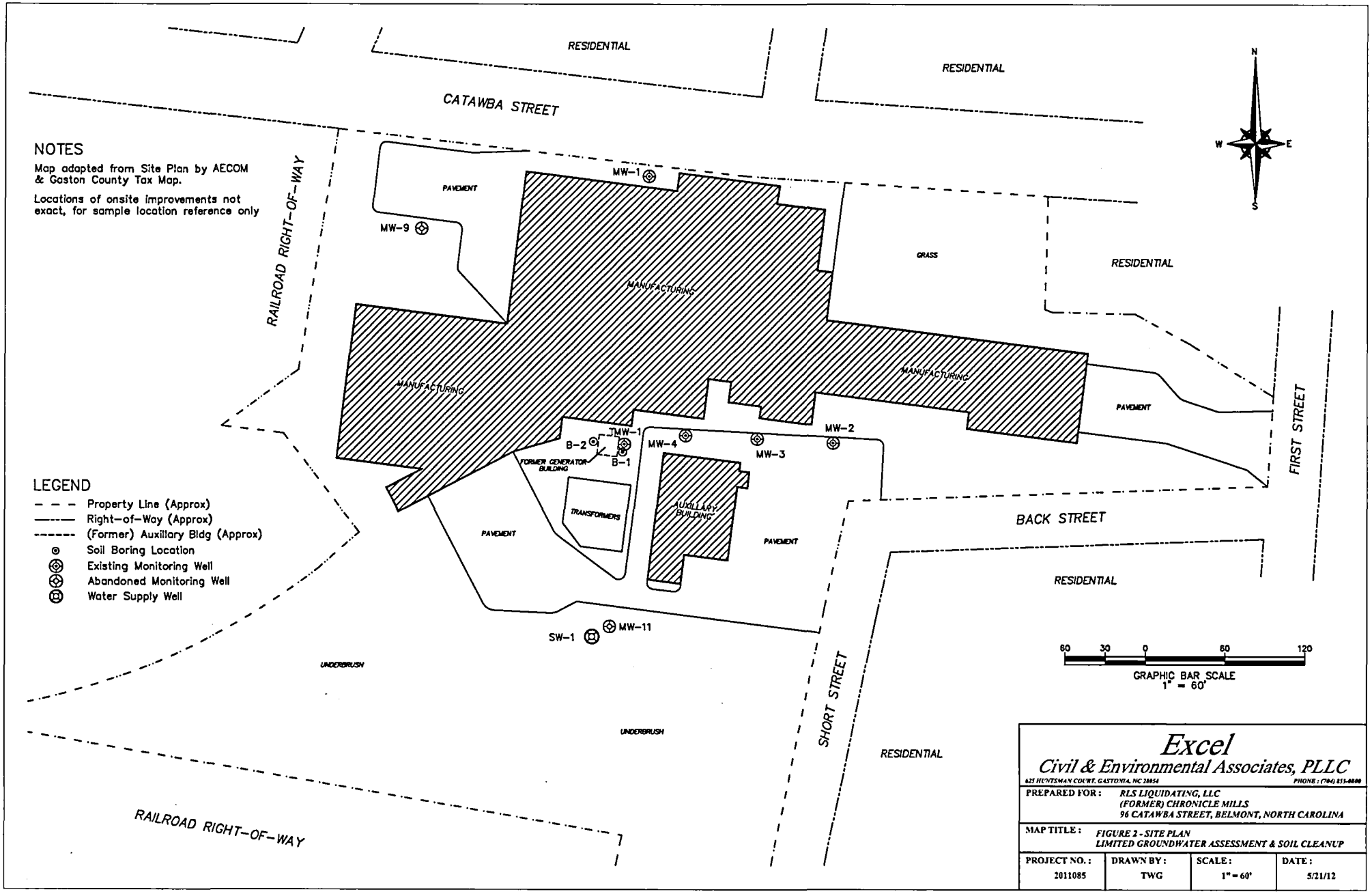
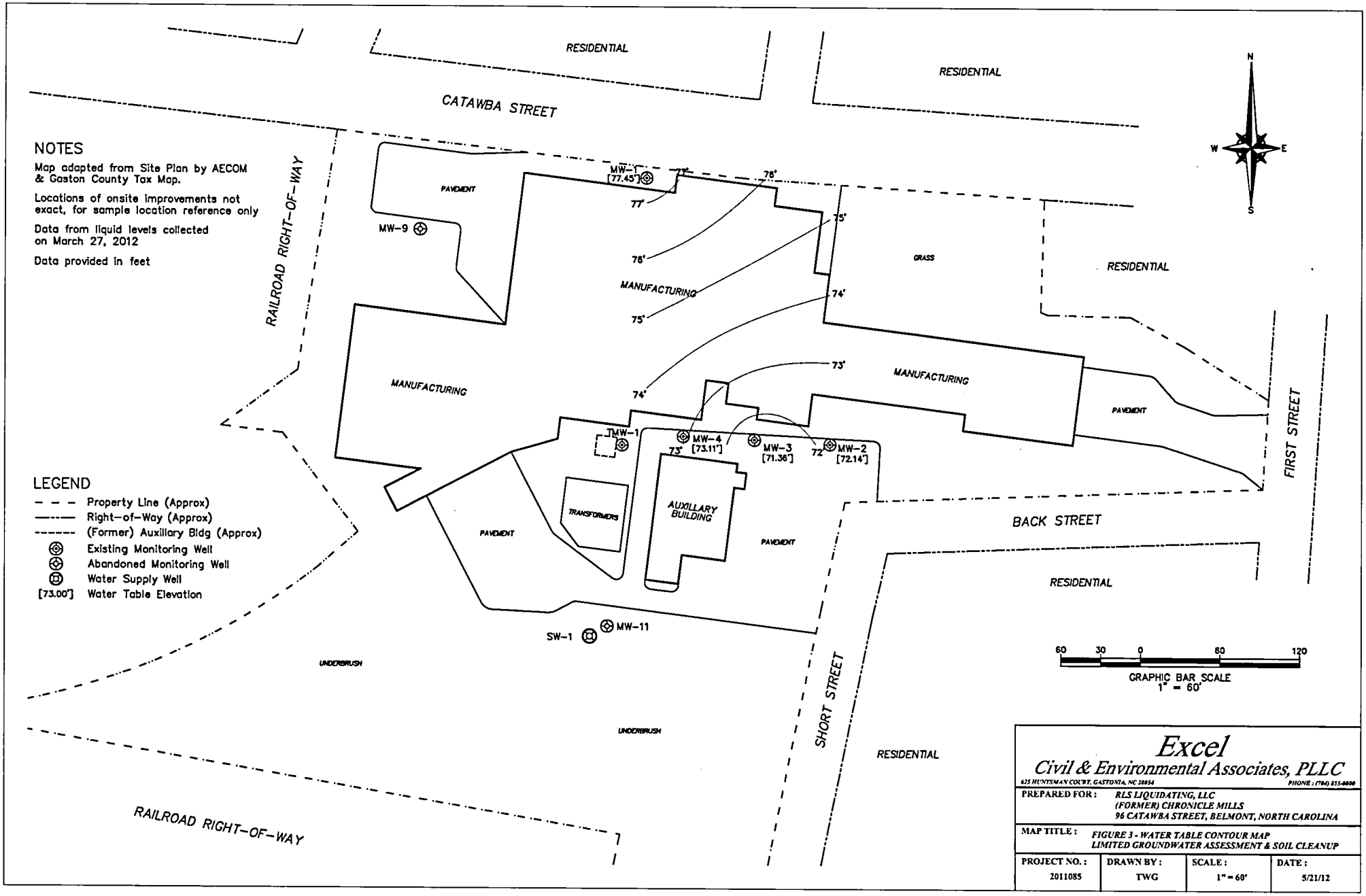


Excel
Civil & Environmental Associates, PLLC
625 HUNTSMAN COURT, GASTONIA, NC 28054 PHONE : (704) 853-0800

PREPARED FOR :	RLS LIQUIDATING, LLC (FORMER) CHRONICLE MILLS 96 CATAWBA STREET, BELMONT, NORTH CAROLINA
MAP TITLE :	FIGURE 2 - SITE PLAN LIMITED GROUNDWATER ASSESSMENT & SOIL CLEANUP

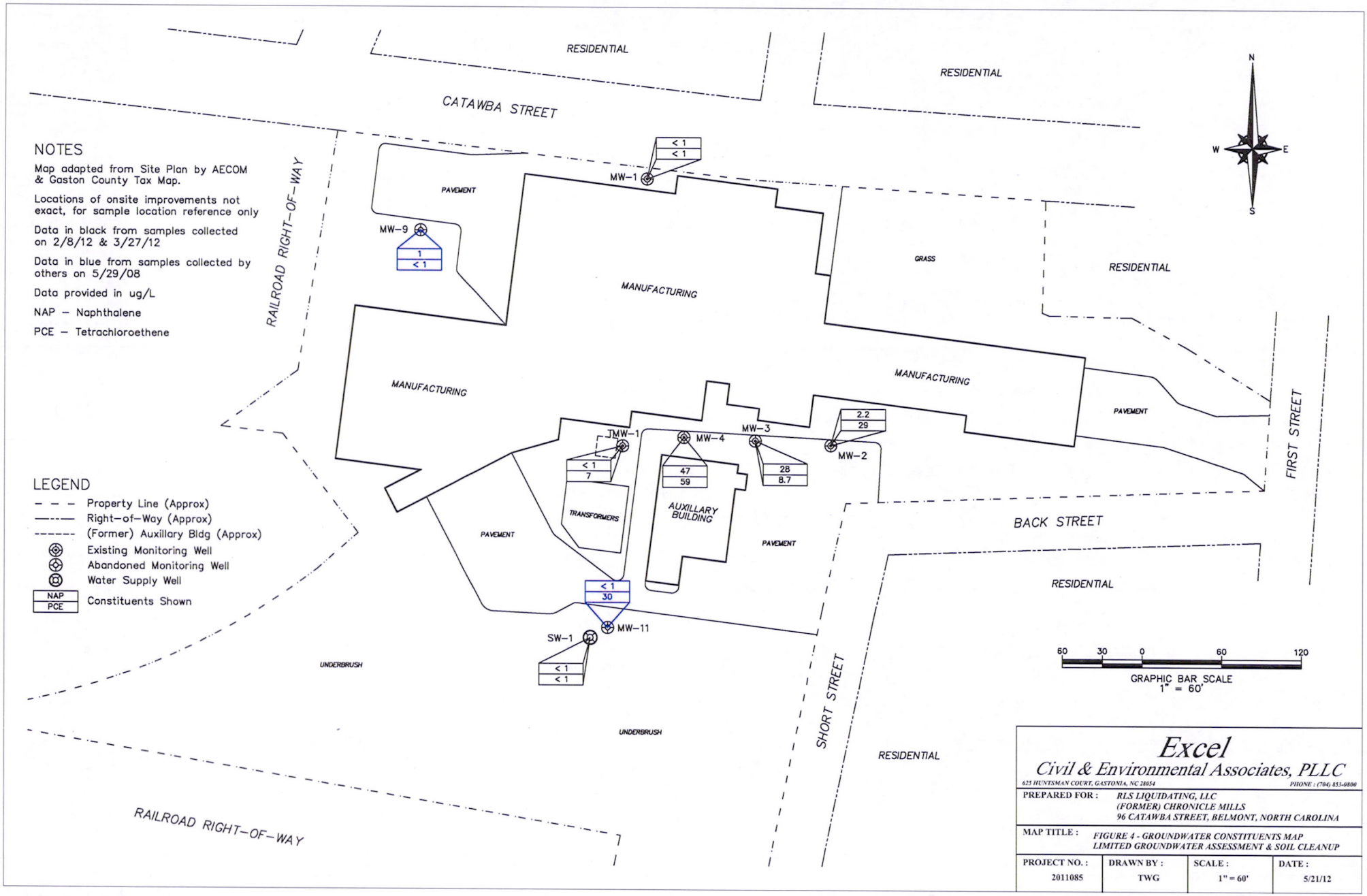
PROJECT NO. :	DRAWN BY :	SCALE :	DATE :
2011085	TWG	1" = 60'	5/21/12



Excel
Civil & Environmental Associates, PLLC
625 HUNTSMAN COURT, GASTONIA, NC 28054 PHONE : (704) 853-8000

PREPARED FOR :	RLS LIQUIDATING, LLC (FORMER) CHRONICLE MILLS 96 CATAWBA STREET, BELMONT, NORTH CAROLINA
MAP TITLE :	FIGURE 3 - WATER TABLE CONTOUR MAP LIMITED GROUNDWATER ASSESSMENT & SOIL CLEANUP

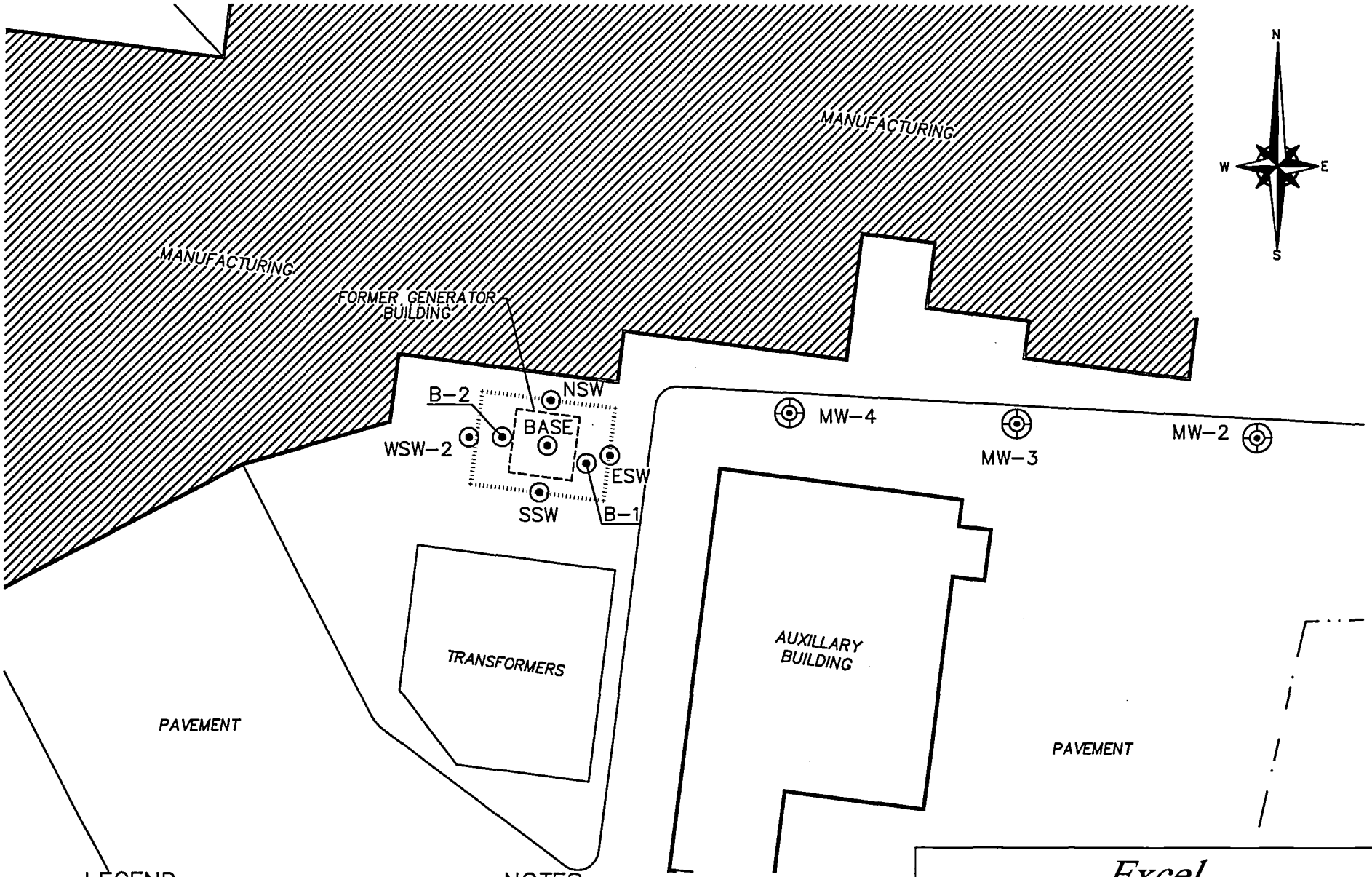
PROJECT NO. :	DRAWN BY :	SCALE :	DATE :
2011085	TWG	1" = 60'	5/21/12



Excel
Civil & Environmental Associates, PLLC
625 HUNTSMAN COURT, GASTONIA, NC 28054 PHONE : (704) 853-0800

PREPARED FOR :	*RLS LIQUIDATING, LLC* *(FORMER) CHRONICLE MILLS* *96 CATAWBA STREET, BELMONT, NORTH CAROLINA*
MAP TITLE :	*FIGURE 4 - GROUNDWATER CONSTITUENTS MAP* *LIMITED GROUNDWATER ASSESSMENT & SOIL CLEANUP*

PROJECT NO. :	DRAWN BY :	SCALE :	DATE :
2011085	TWG	1" = 60'	5/21/12



LEGEND

- Property Line (Approx)
- Former UST System (Approx)
- Former Bldg Location (Approx)
- Area of Excavation (Approx)
- Monitoring Well Location
- Soil Sampling Location

NOTES

Map adapted from aerial photograph from Gaston County GIS.

Locations of onsite improvements not exact, for sample location reference only

Excel
Civil & Environmental Associates, PLLC
625 HUNTSMAN COURT, GASTONIA, NC 28054 PHONE : (704) 853-0800

PREPARED FOR :	*RLS LIQUIDATING, LLC* *(FORMER) CHRONICLE MILLS* *96 CATAWBA STREET, BELMONT, NORTH CAROLINA*
MAP TITLE :	*FIGURE 5 - SOIL EXCAVATION LOCATION MAP* *LIMITED GROUNDWATER ASSESSMENT & SOIL CLEANUP*

PROJECT NO. :	DRAWN BY :	SCALE :	DATE :
2011085	TWG	1" = 30'	5/21/12

LABORATORY ANALYTICAL REPORT & C.O.C FORM

SHEALY ENVIRONMENTAL SERVICES, INC.

Report of Analysis

Excel Civil & Environmental Associates, PLLC
PO Box 6172
Gastonia, NC 28056-6000
Attention: Thomas Garrison

Project Name: **Chronicle Mill**

Project Number: **20110**

Lot Number: **NC28055**

Date Completed: **04/04/2012**

Lucas Odom
Project Manager

This report shall not be reproduced, except in its entirety, without the written approval of Shealy Environmental Services, Inc.

The following non-paginated documents are considered part of this report: Chain of Custody Record and Sample Receipt Checklist.

Case Narrative

Excel Civil & Environmental Associates, PLLC

Lot Number: NC28055

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative. The sample receiving date is documented in the header information associated with each sample.

All results listed in this report relate only to the samples that are contained within this report.

Sample receipt, sample analysis, and data review have been performed in accordance with the most current approved NELAC standards, the Shealy Environmental Services, Inc. ("Shealy") Quality Assurance Management Plan (QAMP), standard operating procedures (SOPs), and Shealy policies. Any exceptions to the NELAC standards, the QAMP, SOPs or policies are qualified on the results page or discussed below.

If you have any questions regarding this report please contact the Shealy Project Manager listed on the cover page.

Sample Summary

Excel Civil & Environmental Associates, PLLC

Lot Number: NC28055

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	MW-1	Aqueous	03/27/2012 0900	03/28/2012
002	MW-2	Aqueous	03/27/2012 0915	03/28/2012
003	MW-3	Aqueous	03/27/2012 0930	03/28/2012
004	MW-4	Aqueous	03/27/2012 1000	03/28/2012

(4 samples)

Executive Summary

Excel Civil & Environmental Associates, PLLC

Lot Number: NC28055

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
002	MW-2	Aqueous	cis-1,2-Dichloroethene	8260B	2.3		ug/L	7
002	MW-2	Aqueous	Naphthalene	8260B	2.2		ug/L	8
002	MW-2	Aqueous	Tetrachloroethene	8260B	29		ug/L	8
002	MW-2	Aqueous	Trichlorofluoromethane	8260B	1.5		ug/L	8
003	MW-3	Aqueous	Chloroform	8260B	1.3		ug/L	9
003	MW-3	Aqueous	Naphthalene	8260B	28		ug/L	10
003	MW-3	Aqueous	Tetrachloroethene	8260B	8.7		ug/L	10
003	MW-3	Aqueous	Trichlorofluoromethane	8260B	1.9		ug/L	10
004	MW-4	Aqueous	Naphthalene	8260B	47		ug/L	12
004	MW-4	Aqueous	Tetrachloroethene	8260B	59		ug/L	12
004	MW-4	Aqueous	Trichloroethene	8260B	1.5		ug/L	12
004	MW-4	Aqueous	Trichlorofluoromethane	8260B	1.0		ug/L	12
004	MW-4	Aqueous	1,2,4-Trimethylbenzene	8260B	1.1		ug/L	12

(13 detections)

Client: **Excel Civil & Environmental Associates, PLLC**
Description: **MW-1**
Date Sampled: **03/27/2012 0900**
Date Received: **03/28/2012**

Laboratory ID: **NC28055-001**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	04/03/2012 1543	LBS		81817

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		20	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	ug/L	1
Bromobenzene	108-86-1	8260B	ND		1.0	ug/L	1
Bromochloromethane	74-97-5	8260B	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
n-Butylbenzene	104-51-8	8260B	ND		1.0	ug/L	1
sec-Butylbenzene	135-98-8	8260B	ND		1.0	ug/L	1
tert-Butylbenzene	98-06-6	8260B	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	ug/L	1
2-Chlorotoluene	95-49-8	8260B	ND		1.0	ug/L	1
4-Chlorotoluene	106-43-4	8260B	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		2.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	ug/L	1
1,3-Dichloropropane	142-28-9	8260B	ND		1.0	ug/L	1
2,2-Dichloropropane	594-20-7	8260B	ND		1.0	ug/L	1
1,1-Dichloropropene	563-58-6	8260B	ND		2.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		1.0	ug/L	1
p-Isopropyltoluene	99-87-6	8260B	ND		1.0	ug/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
* = Reportable result (only when report all runs)
H = Out of holding time
N = Recovery is out of criteria

Client: **Excel Civil & Environmental Associates, PLLC**
Description: **MW-1**
Date Sampled: **03/27/2012 0900**
Date Received: **03/28/2012**

Laboratory ID: **NC28055-001**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	04/03/2012 1543	LBS		81817

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	ug/L	1
Naphthalene	91-20-3	8260B	ND		1.0	ug/L	1
n-Propylbenzene	103-65-1	8260B	ND		1.0	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	ug/L	1
1,2,3-Trichlorobenzene	87-61-6	8260B	ND		1.0	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		1.0	ug/L	1
1,2,4-Trimethylbenzene	95-63-6	8260B	ND		1.0	ug/L	1
1,3,5-Trimethylbenzene	108-67-8	8260B	ND		1.0	ug/L	1
Vinyl acetate	108-05-4	8260B	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		94	70-130
Bromofluorobenzene		93	70-130
Toluene-d8		93	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Client: **Excel Civil & Environmental Associates, PLLC**
Laboratory ID: **NC28055-002**
Description: **MW-2**
Matrix: **Aqueous**
Date Sampled: **03/27/2012 0915**
Date Received: **03/28/2012**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	04/03/2012 1605	LBS		81817

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		20	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	ug/L	1
Bromobenzene	108-86-1	8260B	ND		1.0	ug/L	1
Bromochloromethane	74-97-5	8260B	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
n-Butylbenzene	104-51-8	8260B	ND		1.0	ug/L	1
sec-Butylbenzene	135-98-8	8260B	ND		1.0	ug/L	1
tert-Butylbenzene	98-06-6	8260B	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	ug/L	1
2-Chlorotoluene	95-49-8	8260B	ND		1.0	ug/L	1
4-Chlorotoluene	106-43-4	8260B	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		2.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	**156-59-2**	**8260B**	**2.3**		**1.0**	**ug/L**	**1**
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	ug/L	1
1,3-Dichloropropane	142-28-9	8260B	ND		1.0	ug/L	1
2,2-Dichloropropane	594-20-7	8260B	ND		1.0	ug/L	1
1,1-Dichloropropene	563-58-6	8260B	ND		2.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		1.0	ug/L	1
p-Isopropyltoluene	99-87-6	8260B	ND		1.0	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Client: **Excel Civil & Environmental Associates, PLLC**
Description: **MW-2**
Date Sampled: **03/27/2012 0915**
Date Received: **03/28/2012**

Laboratory ID: **NC28055-002**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	04/03/2012 1605	LBS		81817

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	ug/L	1
Naphthalene	**91-20-3**	**8260B**	**2.2**		**1.0**	**ug/L**	**1**
n-Propylbenzene	103-65-1	8260B	ND		1.0	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	ug/L	1
Tetrachloroethene	**127-18-4**	**8260B**	**29**		**1.0**	**ug/L**	**1**
Toluene	108-88-3	8260B	ND		1.0	ug/L	1
1,2,3-Trichlorobenzene	87-61-6	8260B	ND		1.0	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	ug/L	1
Trichlorofluoromethane	**75-69-4**	**8260B**	**1.5**		**1.0**	**ug/L**	**1**
1,2,3-Trichloropropane	96-18-4	8260B	ND		1.0	ug/L	1
1,2,4-Trimethylbenzene	95-63-6	8260B	ND		1.0	ug/L	1
1,3,5-Trimethylbenzene	108-67-8	8260B	ND		1.0	ug/L	1
Vinyl acetate	108-05-4	8260B	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		93	70-130
Bromofluorobenzene		93	70-130
Toluene-d8		92	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Client: **Excel Civil & Environmental Associates, PLLC**
Description: **MW-3**
Date Sampled: **03/27/2012 0930**
Date Received: **03/28/2012**

Laboratory ID: **NC28055-003**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	04/03/2012 1626	LBS		81817

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		20	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	ug/L	1
Bromobenzene	108-86-1	8260B	ND		1.0	ug/L	1
Bromochloromethane	74-97-5	8260B	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
n-Butylbenzene	104-51-8	8260B	ND		1.0	ug/L	1
sec-Butylbenzene	135-98-8	8260B	ND		1.0	ug/L	1
tert-Butylbenzene	98-06-6	8260B	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	ug/L	1
Chloroform	**67-66-3**	**8260B**	**1.3**		**1.0**	**ug/L**	**1**
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	ug/L	1
2-Chlorotoluene	95-49-8	8260B	ND		1.0	ug/L	1
4-Chlorotoluene	106-43-4	8260B	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		2.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	ug/L	1
1,3-Dichloropropane	142-28-9	8260B	ND		1.0	ug/L	1
2,2-Dichloropropane	594-20-7	8260B	ND		1.0	ug/L	1
1,1-Dichloropropene	563-58-6	8260B	ND		2.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		1.0	ug/L	1
p-Isopropyltoluene	99-87-6	8260B	ND		1.0	ug/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Client: **Excel Civil & Environmental Associates, PLLC**
Description: **MW-3**
Date Sampled: **03/27/2012 0930**
Date Received: **03/28/2012**

Laboratory ID: **NC28055-003**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	04/03/2012 1626	LBS		81817

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	ug/L	1
Naphthalene	**91-20-3**	**8260B**	**28**		**1.0**	**ug/L**	**1**
n-Propylbenzene	103-65-1	8260B	ND		1.0	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	ug/L	1
Tetrachloroethene	**127-18-4**	**8260B**	**8.7**		**1.0**	**ug/L**	**1**
Toluene	108-88-3	8260B	ND		1.0	ug/L	1
1,2,3-Trichlorobenzene	87-61-6	8260B	ND		1.0	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	ug/L	1
Trichlorofluoromethane	**75-69-4**	**8260B**	**1.9**		**1.0**	**ug/L**	**1**
1,2,3-Trichloropropane	96-18-4	8260B	ND		1.0	ug/L	1
1,2,4-Trimethylbenzene	95-63-6	8260B	ND		1.0	ug/L	1
1,3,5-Trimethylbenzene	108-67-8	8260B	ND		1.0	ug/L	1
Vinyl acetate	108-05-4	8260B	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		93	70-130
Bromofluorobenzene		93	70-130
Toluene-d8		92	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Client: **Excel Civil & Environmental Associates, PLLC**
Description: **MW-4**
Date Sampled: **03/27/2012 1000**
Date Received: **03/28/2012**

Laboratory ID: **NC28055-004**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	04/03/2012 1648	LBS		81817

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		20	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	ug/L	1
Bromobenzene	108-86-1	8260B	ND		1.0	ug/L	1
Bromochloromethane	74-97-5	8260B	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
n-Butylbenzene	104-51-8	8260B	ND		1.0	ug/L	1
sec-Butylbenzene	135-98-8	8260B	ND		1.0	ug/L	1
tert-Butylbenzene	98-06-6	8260B	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	ug/L	1
2-Chlorotoluene	95-49-8	8260B	ND		1.0	ug/L	1
4-Chlorotoluene	106-43-4	8260B	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		2.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	ug/L	1
1,3-Dichloropropane	142-28-9	8260B	ND		1.0	ug/L	1
2,2-Dichloropropane	594-20-7	8260B	ND		1.0	ug/L	1
1,1-Dichloropropene	563-58-6	8260B	ND		2.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		1.0	ug/L	1
p-Isopropyltoluene	99-87-6	8260B	ND		1.0	ug/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Client: **Excel Civil & Environmental Associates, PLLC**
Description: **MW-4**
Date Sampled: **03/27/2012 1000**
Date Received: **03/28/2012**

Laboratory ID: **NC28055-004**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	04/03/2012 1648	LBS		81817

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	ug/L	1
Naphthalene	**91-20-3**	**8260B**	**47**		**1.0**	**ug/L**	**1**
n-Propylbenzene	103-65-1	8260B	ND		1.0	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	ug/L	1
Tetrachloroethene	**127-18-4**	**8260B**	**59**		**1.0**	**ug/L**	**1**
Toluene	108-88-3	8260B	ND		1.0	ug/L	1
1,2,3-Trichlorobenzene	87-61-6	8260B	ND		1.0	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	ug/L	1
Trichloroethene	**79-01-6**	**8260B**	**1.5**		**1.0**	**ug/L**	**1**
Trichlorofluoromethane	**75-69-4**	**8260B**	**1.0**		**1.0**	**ug/L**	**1**
1,2,3-Trichloropropane	96-18-4	8260B	ND		1.0	ug/L	1
1,2,4-Trimethylbenzene	**95-63-6**	**8260B**	**1.1**		**1.0**	**ug/L**	**1**
1,3,5-Trimethylbenzene	108-67-8	8260B	ND		1.0	ug/L	1
Vinyl acetate	108-05-4	8260B	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		94	70-130
Bromofluorobenzene		93	70-130
Toluene-d8		92	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

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SHEALY

Chain of Custody Record

Number 08731

Client: ECEA	Report to Contact: T. Garrison	Sampler (Printed Name): Jake Wiggins	Quote No:
Address: 625 Houstonia ct	Telephone No. / Fax No. / Email: 704-853-0100	Waybill No:	Page: 1 of 1
City: Gastonia	State: NC	Zip Code: 28054	
Project Name: Chronicle Hills			
Project Number: 20110	P.O. Number:		

Preservative: 1. Unpres. 2. NaOH/ZnA 3. H2SO4 4. HNO3 5. HCl 6. Na thio. 7. NaOH

Sample ID / Description (Containers for each sample may be combined on one line)	Date	Time	C=Comp G=Grab	Matrix: GW	DW	WW	S	Other	Analysis: VOCs	Number of Containers	Bottle (See instructions on back)	Preservative	Remarks / Cooler ID
MW-1	3.27.12	900	G	X					X				
MW-2		915							X				
MW-3		930							X				
MW-4		1000							X				

Lot No.: NC28055

Turn Around Time Required (Prior lab approval required for expedited TAT)	Sample Disposal	QC Requirements (Specify)	Possible Hazard Identification
X Standard / Rush (Please Specify): 7 DAY TAT	☐ Return to Client ☐ Disposal by Lab		Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

	Relinquished by / Sampler	Date	Time	Received by	Date	Time
1.		3.27.12	1760		3.28.12	1103
2.	Relinquished by	3.28.12	1600	2. Received by	Date	Time
3.	Relinquished by	Date	Time	3. Received by	Date	Time
4.	Relinquished by	Date	Time	4. Laboratory Received by	3.28.12	1600

Note: All samples are retained for six weeks from receipt unless other arrangements are made.

LAB USE ONLY — Received on Ice (Check) ☑ Yes ☐ No ☐ Ice Pack — Receipt Temp: 1.0 °C — Temp. Blank ☐ Y / ☐ N

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Level 1 Report v2.1

SHEALY ENVIRONMENTAL SERVICES, INC.

Shealy Environmental Services, Inc.
Document Number: F-AD-016
Revision Number: 9

Page 1 of 1
Replaces Date: 05/06/11
Effective Date: 10/15/11

Sample Receipt Checklist (SRC)

Client: ECHA Cooler Inspected by/date: [illegible] 8/28/12 Lot #: NC28055

Means of receipt: ☒ SESI ☐ Client ☐ UPS ☐ FedEx ☐ Airborne Exp ☐ Other			
Yes ☐	No ☒		1. Were custody seals present on the cooler?
Yes ☐	No ☒		2. If custody seals were present, were they intact and unbroken?
Cooler ID/temperature upon receipt 1.0 °C / °C / °C / °C Method: ☐ Temperature Blank ☒ Against Bottles Method of coolant: ☒ Wet Ice ☐ Blue Ice ☐ Dry Ice ☐ None			
If response is No (or Yes for 14, 15, 16), an explanation/resolution must be provided.			
Yes ☐	No ☐	NA ☒	3. If temperature of any cooler exceeded 6.0°C, was Project Manager notified? PM notified by SRC, phone, note (circle one), other: _____. (For coolers received via commercial courier, PMs are to be notified immediately.
Yes ☐	No ☐	NA ☐	4. Is the commercial courier's packing slip attached to this form?
Yes ☒	No ☐		5. Were proper custody procedures (relinquished/received) followed?
Yes ☐	No ☐	NA ☐	5a Were samples relinquished by client to commercial courier?
Yes ☒	No ☐		6. Were sample IDs listed?
Yes ☒	No ☐		7. Was collection date & time listed?
Yes ☒	No ☐		8. Were tests to be performed listed on the COC?
Yes ☒	No ☐		9. Did all samples arrive in the proper containers for each test?
Yes ☒	No ☐		10. Did all container label information (ID, date, time) agree with COC?
Yes ☒	No ☐		11. Did all containers arrive in good condition (unbroken, lids on, etc.)?
Yes ☒	No ☐		12. Was adequate sample volume available?
Yes ☒	No ☐		13. Were all samples received within ½ the holding time or 48 hours, whichever comes first?
Yes ☐	No ☒		14. Were any samples containers missing?
Yes ☐	No ☒		15. Were there any excess samples not listed on COC?
Yes ☒	No ☐	NA ☐	16. Were bubbles present >"pea-size" (¼"or 6mm in diameter) in any VOA vials?
Yes ☐	No ☐	NA ☒	17. Were all metals/O&G/HEM/nutrient samples received at a pH of <2?
Yes ☐	No ☐	NA ☒	18. Were all cyanide and/or sulfide samples received at a pH >12?
Yes ☐	No ☐	NA ☒	19. Were all applicable NH3/TKN/cyanide/phenol/BNA/pest/PCB/herb (≤0.2mg/L) samples free of residual chlorine?
Yes ☐	No ☒	NA ☐	20. Were collection temperatures documented on the COC for NC samples?
Yes ☐	No ☐	NA ☒	21. Were client remarks/requests (i.e. requested dilutions, MS/MSD designations, etc...) correctly transcribed from the COC into the comment section in LIMS?

Sample Preservation (Must be completed for any sample(s) incorrectly preserved or with headspace.)

Sample(s) _____ were received incorrectly preserved and were adjusted accordingly in sample receiving with _____ (H_2SO_4,HNO_3,HCl,NaOH) with the SR # (number)

Sample(s) -003(3) -007(1) were received with bubbles >6 mm in diameter.

Sample(s) _____ were received with TRC >0.2 mg/L for NH3/TKN/cyanide/BNA/pest/PCB/herb.

Corrective Action taken, if necessary:

Was client notified: Yes ☐ No ☐ Did client respond: Yes ☐ No ☐

SESI employee: Date of response: _____

Comments: _____

SHEALY ENVIRONMENTAL SERVICES, INC.

Report of Analysis

Excel Civil & Environmental Associates, PLLC
PO Box 6172
Gastonia, NC 28056-6000
Attention: Thomas Garrison

Project Name: **Chronicle Mill**

Project Number: **2011085**

Lot Number: **NC27048**

Date Completed: **04/04/2012**

Lucas Odom
Project Manager

This report shall not be reproduced, except in its entirety, without the written approval of Shealy Environmental Services, Inc.

The following non-paginated documents are considered part of this report: Chain of Custody Record and Sample Receipt Checklist.

Case Narrative

Excel Civil & Environmental Associates, PLLC

Lot Number: NC27048

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative. The sample receiving date is documented in the header information associated with each sample.

All results listed in this report relate only to the samples that are contained within this report.

Sample receipt, sample analysis, and data review have been performed in accordance with the most current approved NELAC standards, the Shealy Environmental Services, Inc. ("Shealy") Quality Assurance Management Plan (QAMP), standard operating procedures (SOPs), and Shealy policies. Any exceptions to the NELAC standards, the QAMP, SOPs or policies are qualified on the results page or discussed below.

If you have any questions regarding this report please contact the Shealy Project Manager listed on the cover page.

Sample Summary

Excel Civil & Environmental Associates, PLLC

Lot Number: NC27048

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	BASE	Solid	03/26/2012 1300	03/27/2012
002	NSW	Solid	03/26/2012 1310	03/27/2012
003	SSW	Solid	03/26/2012 1315	03/27/2012
004	ESW	Solid	03/26/2012 1320	03/27/2012
005	WSW	Solid	03/26/2012 1325	03/27/2012

(5 samples)

Executive Summary

Excel Civil & Environmental Associates, PLLC

Lot Number: NC27048

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
005	WSW	Solid	TPH-GRO	8015C	15000		ug/kg	9

(1 detection)

Client: **Excel Civil & Environmental Associates, PLLC**
Description: **BASE**
Date Sampled: **03/26/2012 1300**
Date Received: **03/27/2012**

Laboratory ID: **NC27048-001**
Matrix: **Solid**
% Solids: **73.2** **03/27/2012 2252**

TPH - DRO

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550C	8015C	1	03/29/2012 1056	PMS	03/28/2012 1746	81292

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
TPH-DRO		8015C	ND		9000	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
o - Terphenyl		91	55-120

TPH - GRO

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8015C	1	03/29/2012 1817	DJK		81490

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
TPH-GRO		8015C	ND		11000	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		131	45-132

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
* = Reportable result (only when report all runs)
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria

Client: **Excel Civil & Environmental Associates, PLLC**
Description: **NSW**
Date Sampled: **03/26/2012 1310**
Date Received: **03/27/2012**

Laboratory ID: **NC27048-002**
Matrix: **Solid**
% Solids: **69.7** **03/27/2012 2252**

TPH - DRO

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550C	8015C	1	03/29/2012 1201	PMS	03/28/2012 1746	81292

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
TPH-DRO		8015C	ND		9300	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
o - Terphenyl		82	55-120

TPH - GRO

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8015C	1	03/29/2012 1859	DJK		81490

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
TPH-GRO		8015C	ND		8100	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		82	45-132

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Client: **Excel Civil & Environmental Associates, PLLC**
Description: **SSW**
Date Sampled: **03/26/2012 1315**
Date Received: **03/27/2012**

Laboratory ID: **NC27048-003**
Matrix: **Solid**
% Solids: **73.1** **03/27/2012 2252**

TPH - DRO

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550C	8015C	1	03/29/2012 1222	PMS	03/28/2012 1746	81292

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
TPH-DRO		8015C	ND		9000	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
o - Terphenyl		88	55-120

TPH - GRO

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8015C	1	03/29/2012 1941	DJK		81490

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
TPH-GRO		8015C	ND		9600	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		86	45-132

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Client: **Excel Civil & Environmental Associates, PLLC**
Description: **ESW**
Date Sampled: **03/26/2012 1320**
Date Received: **03/27/2012**

Laboratory ID: **NC27048-004**
Matrix: **Solid**
% Solids: **70.1** **03/27/2012 2252**

TPH - DRO

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550C	8015C	1	03/29/2012 1243	PMS	03/28/2012 1746	81292

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
TPH-DRO		8015C	ND		9400	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
o - Terphenyl		87	55-120

TPH - GRO

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
2	5030B	8015C	1	03/30/2012 1122	DJK		81490

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
TPH-GRO		8015C	ND		10000	ug/kg	2

Surrogate	Q	Run 2 % Recovery	Acceptance Limits
Bromofluorobenzene		110	45-132

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Client: **Excel Civil & Environmental Associates, PLLC**
Description: **WSW**
Date Sampled: **03/26/2012 1325**
Date Received: **03/27/2012**

Laboratory ID: **NC27048-005**
Matrix: **Solid**
% Solids: **79.3** **03/27/2012 2252**

TPH - DRO

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550C	8015C	1	03/29/2012 1306	PMS	03/28/2012 1746	81292

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
TPH-DRO		8015C	ND		8400	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
o - Terphenyl		96	55-120

TPH - GRO

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8015C	1	03/29/2012 2106	DJK		81490

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
TPH-GRO		**8015C**	**15000**		**5900**	**ug/kg**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		81	45-132

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
* = Reportable result (only when report all runs)
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria

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SHEALY Chain of Custody Record

Number 108023

Client: ECEA	Report to Contact: T. Garrison	Telephone No. / Fax No. / E-mail:	Quote No.
Address: 625 Hutsman Ct	Sampler's Signature:	Waybill No.	Page 1 of 1
City: Gastonia	State: NC	Zip Code: 28054	Analysis (Attach list if more space is needed.)
Project Name: Chronicle Mill	Printed Name: T. Garrison		
Project No.: 2011055	P.O. No.:		Lot No.: NC2048

Sample ID / Description (Containers for each sample may be combined on one line.)	Date	Time	Collection Composite	Matrix: Aqueous	Soil	Other (Specify)	No. of Containers by Preservative Type: Glass	HNO3	H2SO4	HCl	NaOH	ZnOAc	TPH-GRO	TPH-DRO	Remarks / Cooler I.D.
BASE	3/26	1300	G		X		X					X	X	X	
NSW		1310											X	X	
SSW		1315											X	X	
ESW		1320											X	X	
WSW		1325											X	X	

Possible Hazard Identification: X Non-Hazard | Flammable | Skin Irritant | Poison | Unknown

Sample Disposal: Return to Client | X Disposal by Lab

Note: All samples are retained for six weeks from receipt unless other arrangements are made

Turn Around Time Required (Prior lab approval required for expedited TAT): X Standard | Rush (Specify) 7-DAY TAT

QC Requirements (Specify):

	Date	Time		Date	Time
1. Relinquished by	3/27/12	1235	1. Received by	3.27.12	1235
2. Relinquished by	3.27.12	1555	2. Received by	Date	Time
3. Relinquished by	Date	Time	3. Laboratory received by	3/27/12	1555

Comments:

LAB USE ONLY: Received on Ice (Circle) Yes No Ice Pack

Receipt Temp. 1.0 °C

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field Client Copy

Document Number F-A01-012 Effective Date: 09-01-03

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Level 1 Report v2.1

SHEALY ENVIRONMENTAL SERVICES, INC.

SHEALY ENVIRONMENTAL SERVICES, INC.

Sample Receipt Checklist (SRC)

Client: KCHA Cooler Inspected by/date: MR 12/20/12 Lot #: MC22048

Means of receipt: ☑ SESI ☐ Client ☐ UPS ☐ FedEx ☐ Airborne Exp ☐ Other			
Yes ☐	No ☑		1. Were custody seals present on the cooler?
Yes ☐	No ☑		2. If custody seals were present, were they intact and unbroken?
Cooler ID/temperature upon receipt 1 @ °C / °C / °C / °C Method: ☐ Temperature Blank ☑ Against Bottles Method of coolant: ☑ Wet Ice ☐ Blue Ice ☐ Dry Ice ☐ None			
If response is No (or Yes for 14, 15, 16), an explanation/resolution must be provided.			
Yes ☐	No ☐	NA ☑	3. If temperature of any cooler exceeded 6.0°C, was Project Manager notified? PM notified by SRC, phone, note (circle one), other: _____. (For coolers received via commercial courier, PMs are to be notified immediately.
Yes ☐	No ☐	NA ☑	4. Is the commercial courier's packing slip attached to this form?
Yes ☑	No ☐		5. Were proper custody procedures (relinquished/received) followed?
Yes ☐	No ☐	NA ☑	5a Were samples relinquished by client to commercial courier?
Yes ☑	No ☐		6. Were sample IDs listed?
Yes ☑	No ☐		7. Was collection date & time listed?
Yes ☑	No ☐		8. Were tests to be performed listed on the COC?
Yes ☑	No ☐		9. Did all samples arrive in the proper containers for each test?
Yes ☑	No ☐		10. Did all container label information (ID, date, time) agree with COC?
Yes ☑	No ☐		11. Did all containers arrive in good condition (unbroken, lids on, etc.)?
Yes ☑	No ☐		12. Was adequate sample volume available?
Yes ☑	No ☐		13. Were all samples received within ½ the holding time or 48 hours, whichever comes first?
Yes ☐	No ☑		14. Were any samples containers missing?
Yes ☐	No ☐		15. Were there any excess samples not listed on COC?
Yes ☐	No ☐	NA ☑	16. Were bubbles present >"pea-size" (¼"or 6mm in diameter) in any VOA vials?
Yes ☐	No ☐	NA ☑	17. Were all metals/O&G/HEM/nutrient samples received at a pH of <2?
Yes ☐	No ☐	NA ☐	18. Were all cyanide and/or sulfide samples received at a pH >12?
Yes ☐	No ☐	NA ☑	19. Were all applicable NH3/TKN/cyanide/phenol/BNA/pest/PCB/herb (<0.2mg/L) samples free of residual chlorine?
Yes ☐	No ☑	NA ☐	20. Were collection temperatures documented on the COC for NC samples?
Yes ☐	No ☐	NA ☑	21. Were client remarks/requests (i.e. requested dilutions, MS/MSD designations, etc…) correctly transcribed from the COC into the comment section in LIMS?

Sample Preservation (Must be completed for any sample(s) incorrectly preserved or with headspace.)

Sample(s) _____ were received incorrectly preserved and were adjusted accordingly in sample receiving with _____ (H_2SO_4,HNO_3,HCl,NaOH) with the SR # (number)

Sample(s) _____ were received with bubbles >6 mm in diameter.

Sample(s) _____ were received with TRC >0.2 mg/L for NH3/TKN/cyanide/BNA/pest/PCB/herb.

Corrective Action taken, if necessary:

Was client notified: Yes ☐ No ☐ Did client respond: Yes ☐ No ☐

SESI employee: _____ Date of response: _____

Comments: _____

SHEALY ENVIRONMENTAL SERVICES, INC.

Report of Analysis

Excel Civil & Environmental Associates, PLLC
PO Box 6172
Gastonia, NC 28056-6000
Attention: Thomas Garrison

Project Name: **Chronicle Mill**

Project Number: **2011085**

Lot Number: **NC27047**

Date Completed: **04/06/2012**

Lucas Odom
Project Manager

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The following non-paginated documents are considered part of this report: Chain of Custody Record and Sample Receipt Checklist.

Case Narrative

Excel Civil & Environmental Associates, PLLC

Lot Number: NC27047

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative. The sample receiving date is documented in the header information associated with each sample.

All results listed in this report relate only to the samples that are contained within this report.

Sample receipt, sample analysis, and data review have been performed in accordance with the most current approved NELAC standards, the Shealy Environmental Services, Inc. ("Shealy") Quality Assurance Management Plan (QAMP), standard operating procedures (SOPs), and Shealy policies. Any exceptions to the NELAC standards, the QAMP, SOPs or policies are qualified on the results page or discussed below.

If you have any questions regarding this report please contact the Shealy Project Manager listed on the cover page.

Sample Summary

Excel Civil & Environmental Associates, PLLC

Lot Number: NC27047

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	MW-1 / SS-1	Solid	03/26/2012 1230	03/27/2012
002	MW-2 / SS-1	Solid	03/26/2012 1250	03/27/2012
003	MW-3 / SS-1	Solid	03/26/2012 1330	03/27/2012
004	MW-4 / SS-1	Solid	03/26/2012 1400	03/27/2012

(4 samples)

Executive Summary

Excel Civil & Environmental Associates, PLLC

Lot Number: NC27047

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
001	MW-1 / SS-1	Solid	Naphthalene	8260B	420		ug/kg	6
003	MW-3 / SS-1	Solid	Naphthalene	8260B	81		ug/kg	10
004	MW-4 / SS-1	Solid	Naphthalene	8260B	6.2		ug/kg	12

(3 detections)

Client: **Excel Civil & Environmental Associates, PLLC**
Description: **MW-1 / SS-1**
Date Sampled: **03/26/2012 1230**
Date Received: **03/27/2012**

Laboratory ID: **NC27047-001**
Matrix: **Solid**
% Solids: **60.4** **03/27/2012 2252**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	03/30/2012 0234	JJG		81451	6.02

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		28	ug/kg	1
Benzene	71-43-2	8260B	ND		6.9	ug/kg	1
Bromobenzene	108-86-1	8260B	ND		6.9	ug/kg	1
Bromochloromethane	74-97-5	8260B	ND		6.9	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		6.9	ug/kg	1
Bromoform	75-25-2	8260B	ND		6.9	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		6.9	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		14	ug/kg	1
n-Butylbenzene	104-51-8	8260B	ND		6.9	ug/kg	1
sec-Butylbenzene	135-98-8	8260B	ND		6.9	ug/kg	1
tert-Butylbenzene	98-06-6	8260B	ND		6.9	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		6.9	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		6.9	ug/kg	1
Chloroethane	75-00-3	8260B	ND		6.9	ug/kg	1
Chloroform	67-66-3	8260B	ND		6.9	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		6.9	ug/kg	1
2-Chlorotoluene	95-49-8	8260B	ND		6.9	ug/kg	1
4-Chlorotoluene	106-43-4	8260B	ND		6.9	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		6.9	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		6.9	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		6.9	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		6.9	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		6.9	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		6.9	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		6.9	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		6.9	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		6.9	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		6.9	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		6.9	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		6.9	ug/kg	1
1,3-Dichloropropane	142-28-9	8260B	ND		6.9	ug/kg	1
2,2-Dichloropropane	594-20-7	8260B	ND		6.9	ug/kg	1
1,1-Dichloropropene	563-58-6	8260B	ND		6.9	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		6.9	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		6.9	ug/kg	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		6.9	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		6.9	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		14	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		6.9	ug/kg	1
p-Isopropyltoluene	99-87-6	8260B	ND		6.9	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Client: **Excel Civil & Environmental Associates, PLLC**
Description: **MW-1 / SS-1**
Date Sampled: **03/26/2012 1230**
Date Received: **03/27/2012**

Laboratory ID: **NC27047-001**
Matrix: **Solid**
% Solids: **60.4** **03/27/2012 2252**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	03/30/2012 0234	JJG		81451	6.02

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		6.9	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		14	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		6.9	ug/kg	1
Naphthalene	**91-20-3**	**8260B**	**420**		**6.9**	**ug/kg**	**1**
n-Propylbenzene	103-65-1	8260B	ND		6.9	ug/kg	1
Styrene	100-42-5	8260B	ND		6.9	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		6.9	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		6.9	ug/kg	1
Toluene	108-88-3	8260B	ND		6.9	ug/kg	1
1,2,3-Trichlorobenzene	87-61-6	8260B	ND		6.9	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		6.9	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		6.9	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		6.9	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		6.9	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		6.9	ug/kg	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		6.9	ug/kg	1
1,2,4-Trimethylbenzene	95-63-6	8260B	ND		6.9	ug/kg	1
1,3,5-Trimethylbenzene	108-67-8	8260B	ND		6.9	ug/kg	1
Vinyl acetate	108-05-4	8260B	ND		6.9	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		6.9	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		6.9	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		121	53-142
Bromofluorobenzene		103	47-138
Toluene-d8		95	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Client: **Excel Civil & Environmental Associates, PLLC**
Description: **MW-2 / SS-1**
Date Sampled: **03/26/2012 1250**
Date Received: **03/27/2012**

Laboratory ID: **NC27047-002**
Matrix: **Solid**
% Solids: **77.8** **03/27/2012 2252**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	03/30/2012 0258	JJG		81451	5.86
3	5035	8260B	50	04/05/2012 1801	AAC		81969	4.98

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		22	ug/kg	1
Benzene	71-43-2	8260B	ND		5.5	ug/kg	1
Bromobenzene	108-86-1	8260B	ND		5.5	ug/kg	1
Bromochloromethane	74-97-5	8260B	ND		5.5	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		5.5	ug/kg	1
Bromoform	75-25-2	8260B	ND		5.5	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.5	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		11	ug/kg	1
n-Butylbenzene	104-51-8	8260B	ND		5.5	ug/kg	1
sec-Butylbenzene	135-98-8	8260B	ND		5.5	ug/kg	1
tert-Butylbenzene	98-06-6	8260B	ND		5.5	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		5.5	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		5.5	ug/kg	1
Chloroethane	75-00-3	8260B	ND		5.5	ug/kg	1
Chloroform	67-66-3	8260B	ND		5.5	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.5	ug/kg	1
2-Chlorotoluene	95-49-8	8260B	ND		5.5	ug/kg	1
4-Chlorotoluene	106-43-4	8260B	ND		5.5	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		5.5	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.5	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.5	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.5	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.5	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.5	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.5	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.5	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.5	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.5	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.5	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.5	ug/kg	1
1,3-Dichloropropane	142-28-9	8260B	ND		5.5	ug/kg	1
2,2-Dichloropropane	594-20-7	8260B	ND		5.5	ug/kg	1
1,1-Dichloropropene	563-58-6	8260B	ND		5.5	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.5	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.5	ug/kg	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		5.5	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		5.5	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		11	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		5.5	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Client: **Excel Civil & Environmental Associates, PLLC**
Description: **MW-2 / SS-1**
Date Sampled: **03/26/2012 1250**
Date Received: **03/27/2012**

Laboratory ID: **NC27047-002**
Matrix: **Solid**
% Solids: **77.8** **03/27/2012 2252**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	03/30/2012 0258	JJG		81451	5.86
3	5035	8260B	50	04/05/2012 1801	AAC		81969	4.98

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
p-Isopropyltoluene	99-87-6	8260B	ND		5.5	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.5	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		11	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		5.5	ug/kg	1
Naphthalene	91-20-3	8260B	ND		320	ug/kg	3
n-Propylbenzene	103-65-1	8260B	ND		5.5	ug/kg	1
Styrene	100-42-5	8260B	ND		5.5	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.5	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		5.5	ug/kg	1
Toluene	108-88-3	8260B	ND		5.5	ug/kg	1
1,2,3-Trichlorobenzene	87-61-6	8260B	ND		5.5	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.5	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.5	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.5	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		5.5	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.5	ug/kg	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		5.5	ug/kg	1
1,2,4-Trimethylbenzene	95-63-6	8260B	ND		5.5	ug/kg	1
1,3,5-Trimethylbenzene	108-67-8	8260B	ND		5.5	ug/kg	1
Vinyl acetate	108-05-4	8260B	ND		5.5	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		5.5	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		5.5	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 3 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		104	53-142		88	53-142
Bromofluorobenzene		110	47-138		90	47-138
Toluene-d8		85	68-124		88	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Client: **Excel Civil & Environmental Associates, PLLC**
Description: **MW-3 / SS-1**
Date Sampled: **03/26/2012 1330**
Date Received: **03/27/2012**

Laboratory ID: **NC27047-003**
Matrix: **Solid**
% Solids: **75.3** **03/27/2012 2252**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	03/30/2012 0147	JJG		81451	6.52

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		20	ug/kg	1
Benzene	71-43-2	8260B	ND		5.1	ug/kg	1
Bromobenzene	108-86-1	8260B	ND		5.1	ug/kg	1
Bromochloromethane	74-97-5	8260B	ND		5.1	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		5.1	ug/kg	1
Bromoform	75-25-2	8260B	ND		5.1	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.1	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/kg	1
n-Butylbenzene	104-51-8	8260B	ND		5.1	ug/kg	1
sec-Butylbenzene	135-98-8	8260B	ND		5.1	ug/kg	1
tert-Butylbenzene	98-06-6	8260B	ND		5.1	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		5.1	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		5.1	ug/kg	1
Chloroethane	75-00-3	8260B	ND		5.1	ug/kg	1
Chloroform	67-66-3	8260B	ND		5.1	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.1	ug/kg	1
2-Chlorotoluene	95-49-8	8260B	ND		5.1	ug/kg	1
4-Chlorotoluene	106-43-4	8260B	ND		5.1	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		5.1	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.1	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.1	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.1	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.1	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.1	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.1	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.1	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.1	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.1	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.1	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.1	ug/kg	1
1,3-Dichloropropane	142-28-9	8260B	ND		5.1	ug/kg	1
2,2-Dichloropropane	594-20-7	8260B	ND		5.1	ug/kg	1
1,1-Dichloropropene	563-58-6	8260B	ND		5.1	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.1	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.1	ug/kg	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		5.1	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		5.1	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		10	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		5.1	ug/kg	1
p-Isopropyltoluene	99-87-6	8260B	ND		5.1	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Client: **Excel Civil & Environmental Associates, PLLC**
Description: **MW-3 / SS-1**
Date Sampled: **03/26/2012 1330**
Date Received: **03/27/2012**

Laboratory ID: **NC27047-003**
Matrix: **Solid**
% Solids: **75.3** **03/27/2012 2252**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	03/30/2012 0147	JJG		81451	6.52

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.1	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		5.1	ug/kg	1
Naphthalene	**91-20-3**	**8260B**	**81**		**5.1**	**ug/kg**	**1**
n-Propylbenzene	103-65-1	8260B	ND		5.1	ug/kg	1
Styrene	100-42-5	8260B	ND		5.1	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.1	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		5.1	ug/kg	1
Toluene	108-88-3	8260B	ND		5.1	ug/kg	1
1,2,3-Trichlorobenzene	87-61-6	8260B	ND		5.1	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.1	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.1	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.1	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		5.1	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.1	ug/kg	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		5.1	ug/kg	1
1,2,4-Trimethylbenzene	95-63-6	8260B	ND		5.1	ug/kg	1
1,3,5-Trimethylbenzene	108-67-8	8260B	ND		5.1	ug/kg	1
Vinyl acetate	108-05-4	8260B	ND		5.1	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		5.1	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		5.1	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		121	53-142
Bromofluorobenzene		109	47-138
Toluene-d8		110	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Client: **Excel Civil & Environmental Associates, PLLC**
Description: **MW-4 / SS-1**
Date Sampled: **03/26/2012 1400**
Date Received: **03/27/2012**

Laboratory ID: **NC27047-004**
Matrix: **Solid**
% Solids: **78.8** **03/27/2012 2252**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	03/30/2012 0210	JJG		81451	5.70

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		22	ug/kg	1
Benzene	71-43-2	8260B	ND		5.6	ug/kg	1
Bromobenzene	108-86-1	8260B	ND		5.6	ug/kg	1
Bromochloromethane	74-97-5	8260B	ND		5.6	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		5.6	ug/kg	1
Bromoform	75-25-2	8260B	ND		5.6	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.6	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		11	ug/kg	1
n-Butylbenzene	104-51-8	8260B	ND		5.6	ug/kg	1
sec-Butylbenzene	135-98-8	8260B	ND		5.6	ug/kg	1
tert-Butylbenzene	98-06-6	8260B	ND		5.6	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		5.6	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		5.6	ug/kg	1
Chloroethane	75-00-3	8260B	ND		5.6	ug/kg	1
Chloroform	67-66-3	8260B	ND		5.6	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.6	ug/kg	1
2-Chlorotoluene	95-49-8	8260B	ND		5.6	ug/kg	1
4-Chlorotoluene	106-43-4	8260B	ND		5.6	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		5.6	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.6	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.6	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.6	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.6	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.6	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.6	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.6	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.6	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.6	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.6	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.6	ug/kg	1
1,3-Dichloropropane	142-28-9	8260B	ND		5.6	ug/kg	1
2,2-Dichloropropane	594-20-7	8260B	ND		5.6	ug/kg	1
1,1-Dichloropropene	563-58-6	8260B	ND		5.6	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.6	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.6	ug/kg	1
Diisopropyl ether (IPE)	108-20-3	8260B	ND		5.6	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		5.6	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		11	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		5.6	ug/kg	1
p-Isopropyltoluene	99-87-6	8260B	ND		5.6	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
* = Reportable result (only when report all runs)
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria

Client: **Excel Civil & Environmental Associates, PLLC**
Description: **MW-4 / SS-1**
Date Sampled: **03/26/2012 1400**
Date Received: **03/27/2012**

Laboratory ID: **NC27047-004**
Matrix: **Solid**
% Solids: **78.8** **03/27/2012 2252**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	03/30/2012 0210	JJG		81451	5.70

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.6	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		11	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		5.6	ug/kg	1
Naphthalene	**91-20-3**	**8260B**	**6.2**		**5.6**	**ug/kg**	**1**
n-Propylbenzene	103-65-1	8260B	ND		5.6	ug/kg	1
Styrene	100-42-5	8260B	ND		5.6	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.6	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		5.6	ug/kg	1
Toluene	108-88-3	8260B	ND		5.6	ug/kg	1
1,2,3-Trichlorobenzene	87-61-6	8260B	ND		5.6	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.6	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.6	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.6	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		5.6	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.6	ug/kg	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		5.6	ug/kg	1
1,2,4-Trimethylbenzene	95-63-6	8260B	ND		5.6	ug/kg	1
1,3,5-Trimethylbenzene	108-67-8	8260B	ND		5.6	ug/kg	1
Vinyl acetate	108-05-4	8260B	ND		5.6	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		5.6	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		5.6	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		106	53-142
Bromofluorobenzene		104	47-138
Toluene-d8		94	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

SHEALY ENVIRONMENTAL SERVICES, INC.

106 Vantage Point Drive
West Columbia, South Carolina 29172
Telephone No. (803) 791-9700 Fax No. (803) 791-9111

SHEALY *Chain of Custody Record*

Number 108026

Client	Report to Contact	Telephone No. / Fax No. / E-mail	Quote No.
Excel	T. Garrison		
Address: 625 Huntsman Ct	Sampler's Signature: X	Waybill No.	Page 1 of 1
City: Gastonia	State: NC	Zip Code: 28054	Analysis (Attach list if more space is needed.)
Project Name: Chronicle Mill	Printed Name: T. Garrison		

Project No.	P.O. No.			Matrix			No. of Containers by Preservative Type						Lot No.
2011045													NC2704/1
Sample ID / Description (Containers for each sample may be combined on one line.)	Date	Time	Grab / Composite	Aqueous	Soil	Solid / Sludge / Other	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Remarks / Cooler ID
MW-1 SS-1	3-27-12	1230			X		X					X	X
MW-2 SS-1		1250			X		X					X	X
MW-3 SS-1		1330			X		X					X	X
MW-4 SS-1		1405			X		X					X	X

Preservation Used: [X] None [ ] Ice [ ] Wet Ice [ ] Other

Sample Disposal: [ ] Return to Client [X] Disposal by Lab

Note: All samples are retained for six weeks from receipt unless other arrangements are made.

Turn Around Time Required (Prior lab approval required for expedited TAT): [X] Standard [ ] Rush (Specify) 7-DAY TAT

QC Requirements (Specify):

	Date	Time		Date	Time
1. Relinquished by	3/27/12	1235	1. Received by	3.27.12	1235
2. Relinquished by	3.27.12	1555	2. Received by	Date	Time
3. Relinquished by	Date	Time	3. Laboratory received by	3/27/12	1455

Comments:

LAB USE ONLY
Received on ice (Circle): Yes No Ice Pack
Receipt Temp: 1.2 °C

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Shipment; Pink-Field/Client Copy

Document Number: F-AD-012 Effective Date: 02-01-02

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106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Level 1 Report v2.1

SHEALY ENVIRONMENTAL SERVICES, INC.

SHEALY ENVIRONMENTAL SERVICES, INC.

Sample Receipt Checklist (SRC)

Client: Excel Cooler Inspected by/date: [illegible] 3/5/12 Lot #: NC27047

Means of receipt: ☒ SESI ☐ Client ☐ UPS ☐ FedEx ☐ Airborne Exp ☐ Other			
Yes ☐	No ☒		1. Were custody seals present on the cooler?
Yes ☐	No ☒		2. If custody seals were present, were they intact and unbroken?
Cooler ID/temperature upon receipt 1.9 °C ___/___ °C ___/___ °C ___/___ °C Method: ☐ Temperature Blank ☒ Against Bottles Method of coolant: ☒ Wet Ice ☐ Blue Ice ☐ Dry Ice ☐ None			
If response is No (or Yes for 14, 15, 16), an explanation/resolution must be provided.			
Yes ☐	No ☐	NA ☒	3. If temperature of any cooler exceeded 6.0°C, was Project Manager notified? PM notified by SRC, phone, note (circle one), other:_____. (For coolers received via commercial courier, PMs are to be notified immediately.
Yes ☐	No ☐	NA ☒	4. Is the commercial courier's packing slip attached to this form?
Yes ☒	No ☐		5. Were proper custody procedures (relinquished/received) followed?
Yes ☐	No ☐	NA ☒	5a Were samples relinquished by client to commercial courier?
Yes ☒	No ☐		6. Were sample IDs listed?
Yes ☒	No ☐		7. Was collection date & time listed?
Yes ☒	No ☐		8. Were tests to be performed listed on the COC?
Yes ☒	No ☐		9. Did all samples arrive in the proper containers for each test?
Yes ☒	No ☐		10. Did all container label information (ID, date, time) agree with COC?
Yes ☒	No ☐		11. Did all containers arrive in good condition (unbroken, lids on, etc.)?
Yes ☒	No ☐		12. Was adequate sample volume available?
Yes ☒	No ☐		13. Were all samples received within ½ the holding time or 48 hours, whichever comes first?
Yes ☐	No ☒		14. Were any samples containers missing?
Yes ☐	No ☒		15. Were there any excess samples not listed on COC?
Yes ☐	No ☐	NA ☒	16. Were bubbles present >"pea-size" (¼"or 6mm in diameter) in any VOA vials?
Yes ☐	No ☐	NA ☒	17. Were all metals/O&G/HEM/nutrient samples received at a pH of <2?
Yes ☐	No ☐	NA ☒	18. Were all cyanide and/or sulfide samples received at a pH >12?
Yes ☐	No ☐	NA ☒	19. Were all applicable NH3/TKN/cyanide/phenol/BNA/pest/PCB/herb (<0.2mg/L) samples free of residual chlorine?
Yes ☐	No ☒	NA ☐	20. Were collection temperatures documented on the COC for NC samples?
Yes ☐	No ☐	NA ☒	21. Were client remarks/requests (i.e. requested dilutions, MS/MSD designations, etc…) correctly transcribed from the COC into the comment section in LIMS?

Sample Preservation (Must be completed for any sample(s) incorrectly preserved or with headspace.)

Sample(s)_____ were received incorrectly preserved and were adjusted accordingly in sample receiving with _____ (H_2SO_4,HNO_3,HCl,NaOH) with the SR # (number)

Sample(s)_____ were received with bubbles >6 mm in diameter.

Sample(s)_____ were received with TRC >0.2 mg/L for NH3/TKN/cyanide/BNA/pest/PCB/herb.

Corrective Action taken, if necessary:

Was client notified: Yes ☐ No ☐ Did client respond: Yes ☐ No ☐

SESI employee: _____ Date of response: _____

Comments: _____

SHEALY ENVIRONMENTAL SERVICES, INC.

Report of Analysis

Excel Civil & Environmental Associates, PLLC
PO Box 6172
Gastonia, NC 28056-6000
Attention: Thomas Garrison

Project Name: **Chronicle Mill**

Project Number: **2011085**

Lot Number: **NE01019**

Date Completed: **05/02/2012**

Lucas Odom
Project Manager

ACCREDITED IN ACCORDANCE WITH nelac

This report shall not be reproduced, except in its entirety, without the written approval of Shealy Environmental Services, Inc.

The following non-paginated documents are considered part of this report: Chain of Custody Record and Sample Receipt Checklist.

Case Narrative

Excel Civil & Environmental Associates, PLLC

Lot Number: NE01019

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative. The sample receiving date is documented in the header information associated with each sample.

All results listed in this report relate only to the samples that are contained within this report.

Sample receipt, sample analysis, and data review have been performed in accordance with the most current approved NELAC standards, the Shealy Environmental Services, Inc. ("Shealy") Quality Assurance Management Plan (QAMP), standard operating procedures (SOPs), and Shealy policies. Any exceptions to the NELAC standards, the QAMP, SOPs or policies are qualified on the results page or discussed below.

If you have any questions regarding this report please contact the Shealy Project Manager listed on the cover page.

Sample Summary

Excel Civil & Environmental Associates, PLLC

Lot Number: NE01019

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	WSW-2	Solid	04/30/2012 1000	05/01/2012

(1 sample)

Executive Summary

Excel Civil & Environmental Associates, PLLC

Lot Number: NE01019

Sample Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page

(0 detections)

Client: **Excel Civil & Environmental Associates, PLLC**
Description: **WSW-2**
Date Sampled: **04/30/2012 1000**
Date Received: **05/01/2012**

Laboratory ID: **NE01019-001**
Matrix: **Solid**
% Solids: **90.8** **05/01/2012 2024**

TPH - GRO

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8015C	1	05/02/2012 1152	DJK		83891

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
TPH-GRO		8015C	ND		4600	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		110	45-132

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
* = Reportable result (only when report all runs)

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%

H = Out of holding time
N = Recovery is out of criteria

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106 Vantage Point Drive
West Columbia, South Carolina 29172
Telephone No. (803) 791-9700 Fax No. (803) 791-9111

SHEALY *Chain of Custody Record*

Number 110733

Client	Report to Contact	Telephone No. / Fax No. / E-mail	Quote No.
ECBA	T. Garrison		
Address	**Sampler's Signature**	**Waybill No.**	Page 1 of 1
625 Huntsman Ct	X		
City / State / Zip Code	**Printed Name**	Analysis (Attach list if more space is needed.)	
Gastonia NC 28054	T. Garrison		
Project Name			
Chronicle Mills			

Project No.	P.C. No.	Date	Time	Grab/Composite	Matrix: Aqueous	Matrix: Solid	Matrix: Non-Aqueous	No. of Containers by Preservative Type: Ehene	H2SO4	HNO3	HCl	NaOH	SO3S Kit	TPH-GRO	Lot No.	Remarks / Cooler I.D.
Sample ID / Description (Containers for each sample may be combined on one line.)																
WSW-2		4/30	1000	G		X							X	X	NE01019	24 HR RUSH TAT

Possible Hazard Identification
☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

Sample Disposal
☐ Return to Client ☑ Disposal by Lab

Note: All samples are retained for six weeks from receipt unless other arrangements are made.

Turn Around Time Required (Prior lab approval required for expedited TAT.)
☐ Standard ☒ Rush (Specify) 24-hr

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished by	4/30/12	1732	1. Received by	4.30.12	1132
2. Relinquished by	4.30.12	1535	2. Received by	Date	Time
3. Relinquished by	Date	Time	3. Laboratory received by	5-1-12	1458

Comments

LAB USE ONLY
Received on ice (Circle) Yes No Ice Pack

Receipt Temp. 1.7 °C

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

Document Number: F-AD-012 Effective Date: 05-04-02

Shealy Environmental Services, Inc.
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Level 1 Report v2.1

SHEALY ENVIRONMENTAL SERVICES, INC.

Shealy Environmental Services, Inc.
Document Number: F-AD-016
Revision Number: 9

Page 1 of 1
Replaces Date: 05/06/11
Effective Date: 10/11/11

Sample Receipt Checklist (SRC)

Client: ECEA Cooler Inspected by/date: ECE 5/1/12 Lot #: NE 010 19

Means of receipt: ☒ SESI ☐ Client ☐ UPS ☐ FedEx ☐ Airborne Exp ☐ Other			
Yes ☐	No ☒		1. Were custody seals present on the cooler?
Yes ☐	No ☐		2. If custody seals were present, were they intact and unbroken?
Cooler ID/temperature upon receipt / °C / °C / °C / °C Method: ☐ Temperature Blank ☒ Against Bottles Method of coolant: ☒ Wet Ice ☐ Blue Ice ☐ Dry Ice ☐ None			
If response is No (or Yes for 14, 15, 16), an explanation/resolution must be provided.			
Yes ☐	No ☐	NA ☒	3. If temperature of any cooler exceeded 6.0°C, was Project Manager notified? PM notified by SRC, phone, note (circle one), other: _____. (For coolers received via commercial courier, PMs are to be notified immediately.
Yes ☐	No ☐	NA ☒	4. Is the commercial courier's packing slip attached to this form?
Yes ☒	No ☐		5. Were proper custody procedures (relinquished/received) followed?
Yes ☐	No ☐	NA ☒	5a Were samples relinquished by client to commercial courier?
Yes ☒	No ☐		6. Were sample IDs listed?
Yes ☒	No ☐		7. Was collection date & time listed?
Yes ☒	No ☐		8. Were tests to be performed listed on the COC?
Yes ☒	No ☐		9. Did all samples arrive in the proper containers for each test?
Yes ☒	No ☐		10. Did all container label information (ID, date, time) agree with COC?
Yes ☒	No ☐		11. Did all containers arrive in good condition (unbroken, lids on, etc.)?
Yes ☒	No ☐		12. Was adequate sample volume available?
Yes ☒	No ☐		13. Were all samples received within ½ the holding time or 48 hours, whichever comes first?
Yes ☐	No ☒		14. Were any samples containers missing?
Yes ☐	No ☒		15. Were there any excess samples not listed on COC?
Yes ☐	No ☐	NA ☒	16. Were bubbles present >"pea-size" (¼" or 6mm in diameter) in any VOA vials?
Yes ☐	No ☐	NA ☒	17. Were all metals/O&G/THEM/nutrient samples received at a pH of <2?
Yes ☐	No ☐	NA ☒	18. Were all cyanide and/or sulfide samples received at a pH >12?
Yes ☐	No ☐	NA ☒	19. Were all applicable NH3/TKN/cyanide/phenol/BNA/pest/PCB/herb (<0.2mg/L) samples free of residual chlorine?
Yes ☐	No ☐	NA ☒	20. Were collection temperatures documented on the COC for NC samples?
Yes ☐	No ☐	NA ☒	21. Were client remarks/requests (i.e. requested dilutions, MS/MSD designations, etc…) correctly transcribed from the COC into the comment section in LIMS?

Sample Preservation (Must be completed for any sample(s) incorrectly preserved or with headspace.)

Sample(s) _____ were received incorrectly preserved and were adjusted accordingly in sample receiving with _____ (H_2SO_4,HNO_3,HCl,NaOH) with the SR # (number) _____.

Sample(s) _____ were received with bubbles >6 mm in diameter.

Sample(s) _____ were received with TRC >0.2 mg/L for NH3/TKN/cyanide/BNA/pest/PCB/herb.

Corrective Action taken, if necessary:

Was client notified: Yes ☐ No ☐ Did client respond: Yes ☐ No ☐

SESI employee: _____ Date of response: _____

Comments: _____

WELL CONSTRUCTION FORMS

NON RESIDENTIAL WELL CONSTRUCTION RECORD

North Carolina Department of Environment and Natural Resources- Division of Water Quality

WELL CONTRACTOR CERTIFICATION # 2525

1. WELL CONTRACTOR:

Michael T. Stanforth
Well Contractor (Individual) Name

Excel Civil & Env Assoc
Well Contractor Company Name

STREET ADDRESS 625 Huntsman Court

Gastonia NC 28054
City or Town State Zip Code

(704) 853-0800
Area code- Phone number

2. WELL INFORMATION:

SITE WELL ID #(if applicable) MW-1

STATE WELL PERMIT#(if applicable)

DWQ or OTHER PERMIT #(if applicable) 11683

WELL USE (Check Applicable Box) Monitoring ☑ Municipal/Public ☐

Industrial/Commercial ☐ Agricultural ☐ Recovery ☐ Injection ☐

Irrigation ☐ Other ☐ (list use)

DATE DRILLED 3/26/12

TIME COMPLETED 1000 AM ☐ PM ☐

3. WELL LOCATION:

CITY: Belmont COUNTY Gaston

96 East Catawba Street
(Street Name, Numbers, Community, Subdivision, Lot No., Parcel, Zip Code)

TOPOGRAPHIC / LAND SETTING:

☐ Slope ☐ Valley ☑ Flat ☐ Ridge ☐ Other
(check appropriate box)

LATITUDE 35.252924D

LONGITUDE -81.034069D

May be in degrees, minutes, seconds or in a decimal format

Latitude/longitude source: ☐ GPS ☑ Topographic map

(location of well must be shown on a USGS topo map and attached to this form if not using GPS)

4. FACILITY- is the name of the business where the well is located.

FACILITY ID #(if applicable)

NAME OF FACILITY Chronicle Mills

STREET ADDRESS 96 East Catawba Street

Belmont NC
City or Town State Zip Code

CONTACT PERSON Ed Sanz

MAILING ADDRESS Post Office Box 651

Belmont NC 28012
City or Town State Zip Code

(704) 578-8088
Area code - Phone number

5. WELL DETAILS:

a. TOTAL DEPTH: 30'

b. DOES WELL REPLACE EXISTING WELL? YES ☐ NO ☑

c. WATER LEVEL Below Top of Casing: - 22.55 FT.
(Use "+" if Above Top of Casing)

d. TOP OF CASING IS - 6" (+/-) FT. Above Land Surface*
*Top of casing terminated at/or below land surface may require a variance in accordance with 15A NCAC 2C .0118.

e. YIELD (gpm): METHOD OF TEST

f. DISINFECTION: Type Amount

g. WATER ZONES (depth):

From To From To
From To From To
From To From To

6. CASING:

	Depth			Diameter	Thickness/ Weight	Material
From 0'	To 15'	Ft.		2"	Sch40	PVC
From	To	Ft.				
From	To	Ft.				

7. GROUT:

	Depth			Material	Method
From 0'	To 13'	Ft.		Neat Cement	Tremmie
From 11'	To 13'	Ft.		Bentonite	Tremmie
From	To	Ft.			

8. SCREEN:

	Depth			Diameter	Slot Size	Material
From 15'	To 30'	Ft.		2" in.	Sch40 in.	PVC
From	To	Ft.		in.	in.	
From	To	Ft.		in.	in.	

9. SAND/GRAVEL PACK:

	Depth			Size	Material
From 13'	To 30'	Ft.		#2	Quartz
From	To	Ft.			
From	To	Ft.			

10. DRILLING LOG

From	To	Formation Description
0'	1'	Asphalt & ABC Stone
1'	15'	Reddish orange, silt-clay mixture
15'	30'	Light brown, silt-sand mixture

11. REMARKS:

I DO HEREBY CERTIFY THAT THIS WELL WAS CONSTRUCTED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER

SIGNATURE OF CERTIFIED WELL CONTRACTOR — DATE 3/27/12

Michael T. Stanforth
PRINTED NAME OF PERSON CONSTRUCTING THE WELL

Submit the original to the Division of Water Quality within 30 days. Attn: Information Mgt., 1617 Mail Service Center – Raleigh, NC 27699-1617 Phone No. (919) 733-7015 ext 568.

Form GW-1b
Rev. 7/05

NON RESIDENTIAL WELL CONSTRUCTION RECORD

North Carolina Department of Environment and Natural Resources- Division of Water Quality

WELL CONTRACTOR CERTIFICATION # 2525

1. WELL CONTRACTOR:

Michael T. Stanforth
Well Contractor (Individual) Name

Excel Civil & Env Assoc
Well Contractor Company Name

STREET ADDRESS 625 Huntsman Court

Gastonia | NC | 28054
City or Town | State | Zip Code

(704) 853-0800
Area code- Phone number

2. WELL INFORMATION:

SITE WELL ID #(if applicable) MW-2

STATE WELL PERMIT#(if applicable)

DWQ or OTHER PERMIT #(if applicable) 11683

WELL USE (Check Applicable Box) Monitoring ☑ Municipal/Public ☐
Industrial/Commercial ☐ Agricultural ☐ Recovery ☐ Injection ☐
Irrigation ☐ Other ☐ (list use)

DATE DRILLED 3/26/12

TIME COMPLETED 1200 AM ☐ PM ☐

3. WELL LOCATION:

CITY: Belmont COUNTY Gaston

96 East Catawba Street
(Street Name, Numbers, Community, Subdivision, Lot No., Parcel, Zip Code)

TOPOGRAPHIC / LAND SETTING:
☐ Slope ☐ Valley ☑ Flat ☐ Ridge ☐ Other
(check appropriate box)

LATITUDE 35.252924D
LONGITUDE -81.034069D
May be in degrees, minutes, seconds or in a decimal format

Latitude/longitude source: ☐ GPS ☑ Topographic map
(location of well must be shown on a USGS topo map and attached to this form if not using GPS)

4. FACILITY- is the name of the business where the well is located

FACILITY ID #(if applicable)

NAME OF FACILITY Chronicle Mills

STREET ADDRESS 96 East Catawba Street

Belmont | NC
City or Town | State | Zip Code

CONTACT PERSON Ed Sanz

MAILING ADDRESS Post Office Box 651

Belmont | NC | 28012
City or Town | State | Zip Code

(704) 578-8088
Area code - Phone number

5. WELL DETAILS:

a. TOTAL DEPTH: 30'

b. DOES WELL REPLACE EXISTING WELL? YES ☐ NO ☑

c. WATER LEVEL Below Top of Casing: - 24.25 FT.
(Use "+" if Above Top of Casing)

d. TOP OF CASING IS - 6" (+/-) FT. Above Land Surface*
*Top of casing terminated at/or below land surface may require a variance in accordance with 15A NCAC 2C .0118.

e. YIELD (gpm): METHOD OF TEST

f. DISINFECTION: Type Amount

g. WATER ZONES (depth):

From To From To
From To From To
From To From To

6. CASING:

	Depth			Diameter	Thickness/ Weight	Material
From 0'	To 15'	Ft.		2"	Sch40	PVC
From	To	Ft.				
From	To	Ft.				

7. GROUT:

	Depth			Material	Method
From 0'	To 13'	Ft.		Neat Cement	Tremmie
From 11'	To 13'	Ft.		Bentonite	Tremmie
From	To	Ft.			

8. SCREEN:

	Depth			Diameter		Slot Size		Material
From 15'	To 30'	Ft.		2"	in.	Sch40	in.	PVC
From	To	Ft.			in.		in.	
From	To	Ft.			in.		in.	

9. SAND/GRAVEL PACK:

	Depth			Size	Material
From 13'	To 30'	Ft.		#2	Quartz
From	To	Ft.			
From	To	Ft.			

10. DRILLING LOG

From	To	Formation Description
0'	1'	Asphalt & ABC Stone
1'	15'	Reddish orange, silt-clay mixture
15'	30'	Light brown, silt-sand mixture

11. REMARKS:

I DO HEREBY CERTIFY THAT THIS WELL WAS CONSTRUCTED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER

SIGNATURE OF CERTIFIED WELL CONTRACTOR — DATE 3/27/12

Michael T. Stanforth
PRINTED NAME OF PERSON CONSTRUCTING THE WELL

Submit the original to the Division of Water Quality within 30 days. Attn: Information Mgt., 1617 Mail Service Center – Raleigh, NC 27699-1617 Phone No. (919) 733-7015 ext 568.

Form GW-1b
Rev. 7/05

NON RESIDENTIAL WELL CONSTRUCTION RECORD

North Carolina Department of Environment and Natural Resources- Division of Water Quality

WELL CONTRACTOR CERTIFICATION # 2525

1. WELL CONTRACTOR:

Michael T. Stanforth
Well Contractor (Individual) Name

Excel Civil & Env Assoc
Well Contractor Company Name

STREET ADDRESS 625 Huntsman Court

Gastonia | NC | 28054
City or Town | State | Zip Code

(704) 853-0800
Area code- Phone number

2. WELL INFORMATION:

SITE WELL ID #(if applicable) MW-3

STATE WELL PERMIT#(if applicable)

DWQ or OTHER PERMIT #(if applicable) 11683

WELL USE (Check Applicable Box) Monitoring ☑ Municipal/Public ☐
Industrial/Commercial ☐ Agricultural ☐ Recovery ☐ Injection ☐
Irrigation ☐ Other ☐ (list use)

DATE DRILLED 3/26/12

TIME COMPLETED 1400 AM ☐ PM ☐

3. WELL LOCATION:

CITY: Belmont COUNTY Gaston

96 East Catawba Street
(Street Name, Numbers, Community, Subdivision, Lot No., Parcel, Zip Code)

TOPOGRAPHIC / LAND SETTING:
☐ Slope ☐ Valley ☑ Flat ☐ Ridge ☐ Other
(check appropriate box)

LATITUDE 35.252924D
LONGITUDE -81.034069D

May be in degrees, minutes, seconds or in a decimal format

Latitude/longitude source: ☐ GPS ☑ Topographic map
(location of well must be shown on a USGS topo map and attached to this form if not using GPS)

4. FACILITY- is the name of the business where the well is located.

FACILITY ID #(if applicable)

NAME OF FACILITY Chronicle Mills

STREET ADDRESS 96 East Catawba Street

Belmont | NC |
City or Town | State | Zip Code

CONTACT PERSON Ed Sanz

MAILING ADDRESS Post Office Box 651

Belmont | NC | 28012
City or Town | State | Zip Code

(704) 578-8088
Area code - Phone number

5. WELL DETAILS:

a. TOTAL DEPTH: 30'

b. DOES WELL REPLACE EXISTING WELL? YES ☐ NO ☑

c. WATER LEVEL Below Top of Casing: - 24.81 FT.
(Use "+" if Above Top of Casing)

d. TOP OF CASING IS - 6" (+/-) FT. Above Land Surface*
*Top of casing terminated at/or below land surface may require a variance in accordance with 15A NCAC 2C .0118.

e. YIELD (gpm): METHOD OF TEST

f. DISINFECTION: Type Amount

g. WATER ZONES (depth):

From To From To
From To From To
From To From To

6. CASING:

	Depth			Diameter	Thickness/ Weight	Material
From 0'	To 15'	Ft.		2"	Sch40	PVC
From	To	Ft.				
From	To	Ft.				

7. GROUT:

	Depth			Material	Method
From 0'	To 13'	Ft.		Neat Cement	Tremmie
From 11'	To 13'	Ft.		Bentonite	Tremmie
From	To	Ft.			

8. SCREEN:

	Depth			Diameter		Slot Size		Material
From 15'	To 30'	Ft.		2"	in.	Sch40	in.	PVC
From	To	Ft.			in.		in.	
From	To	Ft.			in.		in.	

9. SAND/GRAVEL PACK:

	Depth			Size	Material
From 13'	To 30'	Ft.		#2	Quartz
From	To	Ft.			
From	To	Ft.			

10. DRILLING LOG

From	To	Formation Description
0'	1'	Asphalt & ABC Stone
1'	15'	Reddish orange, silt-clay mixture
15'	30'	Light brown, silt-sand mixture

11. REMARKS:

I DO HEREBY CERTIFY THAT THIS WELL WAS CONSTRUCTED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER

SIGNATURE OF CERTIFIED WELL CONTRACTOR — DATE 3/27/12

Michael T. Stanforth
PRINTED NAME OF PERSON CONSTRUCTING THE WELL

Submit the original to the Division of Water Quality within 30 days. Attn: Information Mgt., 1617 Mail Service Center – Raleigh, NC 27699-1617 Phone No. (919) 733-7015 ext 568.

Form GW-1b
Rev. 7/05

NON RESIDENTIAL WELL CONSTRUCTION RECORD

North Carolina Department of Environment and Natural Resources- Division of Water Quality

WELL CONTRACTOR CERTIFICATION # 2525

1. WELL CONTRACTOR:

Michael T. Stanforth
Well Contractor (Individual) Name

Excel Civil & Env Assoc
Well Contractor Company Name

STREET ADDRESS 625 Huntsman Court

Gastonia | NC | 28054
City or Town | State | Zip Code

(704) 853-0800
Area code- Phone number

2. WELL INFORMATION:

SITE WELL ID #(if applicable) MW-4

STATE WELL PERMIT#(if applicable)

DWQ or OTHER PERMIT #(if applicable) 11683

WELL USE (Check Applicable Box) Monitoring ☑ Municipal/Public ☐

Industrial/Commercial ☐ Agricultural ☐ Recovery ☐ Injection ☐

Irrigation ☐ Other ☐ (list use)

DATE DRILLED 3/26/12

TIME COMPLETED 1600 AM ☐ PM ☐

3. WELL LOCATION:

CITY: Belmont COUNTY Gaston

96 East Catawba Street
(Street Name, Numbers, Community, Subdivision, Lot No., Parcel, Zip Code)

TOPOGRAPHIC / LAND SETTING:

☐ Slope ☐ Valley ☑ Flat ☐ Ridge ☐ Other
(check appropriate box)

LATITUDE 35.252924D

LONGITUDE -81.034069D

May be in degrees, minutes, seconds or in a decimal format

Latitude/longitude source: ☐ GPS ☑ Topographic map

(location of well must be shown on a USGS topo map and attached to this form if not using GPS)

4. FACILITY- is the name of the business where the well is located.

FACILITY ID #(if applicable)

NAME OF FACILITY Chronicle Mills

STREET ADDRESS 96 East Catawba Street

Belmont | NC
City or Town | State | Zip Code

CONTACT PERSON Ed Sanz

MAILING ADDRESS Post Office Box 651

Belmont | NC | 28012
City or Town | State | Zip Code

(704) 578-8088
Area code - Phone number

5. WELL DETAILS:

a. TOTAL DEPTH: 30'

b. DOES WELL REPLACE EXISTING WELL? YES ☐ NO ☑

c. WATER LEVEL Below Top of Casing: - 23.00 FT.
(Use "+" if Above Top of Casing)

d. TOP OF CASING IS - 6" (+/-) FT. Above Land Surface*
*Top of casing terminated at/or below land surface may require a variance in accordance with 15A NCAC 2C .0118.

e. YIELD (gpm): METHOD OF TEST

f. DISINFECTION: Type Amount

g. WATER ZONES (depth):

From To From To
From To From To
From To From To

6. CASING:

	Depth			Diameter	Thickness/ Weight	Material
From 0'	To 15'	Ft.		2"	Sch40	PVC
From	To	Ft.				
From	To	Ft.				

7. GROUT:

	Depth			Material	Method
From 0'	To 13'	Ft.		Neat Cement	Tremmie
From 11'	To 13'	Ft.		Bentonite	Tremmie
From	To	Ft.			

8. SCREEN:

	Depth			Diameter	Slot Size		Material
From 15'	To 30'	Ft.		2" in.	Sch40	in.	PVC
From	To	Ft.		in.		in.	
From	To	Ft.		in.		in.	

9. SAND/GRAVEL PACK:

	Depth			Size	Material
From 13'	To 30'	Ft.		#2	Quartz
From	To	Ft.			
From	To	Ft.			

10. DRILLING LOG

From	To	Formation Description
0'	1'	Asphalt & ABC Stone
1'	15'	Reddish orange, silt-clay mixture
15'	30'	Light brown, silt-sand mixture

11. REMARKS:

I DO HEREBY CERTIFY THAT THIS WELL WAS CONSTRUCTED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER

SIGNATURE OF CERTIFIED WELL CONTRACTOR — DATE 3/27/12

Michael T. Stanforth
PRINTED NAME OF PERSON CONSTRUCTING THE WELL

Submit the original to the Division of Water Quality within 30 days. Attn: Information Mgt., 1617 Mail Service Center – Raleigh, NC 27699-1617 Phone No. (919) 733-7015 ext 568.

Form GW-1b
Rev. 7/05

SOILS DISPOSAL MANIFESTS

Environmental Soils Inc.

PO Box 295 • Lattimore, NC 28089
Phone 704-434-0075 • Fax 704-434-9533

Non-Hazardous Waste Manifest # 31037

Date 4/30/12 Load Number 7301
(numbered sequentially as trucks are dispatched)

ENVIRONMENTAL CONSULTANT: EESE

Contact: M. Stanforth Phone: 704-[illegible]-0800 Fax: 704-[illegible]

GENERATOR: Four Chambers Mills (FCM)

Address: 96 Catawba Street, Belmont, NC County: Gaston

Contact: T. Comerson Agent of FCM Phone: 704-[illegible]

WASTE ORIGINATION POINT: Complete Address:

96 Catawba Street, Belmont, NC

Class & Type of Contaminate in soil Virgin Dirt

SOURCE OF CONTAMINATION: (ex. UST or other source) Spills

GENERATORS CERTIFICATION OF WASTE CONSTITUENTS: In lieu of submitting analytical data (methods 8240 and 8270) verifying that the waste in question does not contain organic constituents other than those which would normally appear in analysis of virgin petroleum product residue, I am submitting this Certificate of Waste Constituents. I certify that I am familiar with the source of contamination of the soil and further certify the source, to the best of my knowledge, contains no contaminants other than that listed above.

Generators Signature: [signature] Date: 4/30/12

TRANSPORTER: EESE

Contact: T. Comerson Phone: 704-[illegible]-0800

As the carrier, I certify that the materials described above being shipped under this non-hazardous materials manifest are properly classified, packaged, labeled, secured, and are in proper condition for transport in commerce under the applicable regulations governing transportation, and I hereby receive this material for delivery to the facility designate.

Carrier Signature: [signature] Date: 4/30/12

19820
11900
7920 - 3.96

TRUCK #: 8951 TAG #: VOLUME:

TRUCK DRIVER SIGNATURE: [signature] DATE: 4/30/12

DESTINATION: Environmental Soils Inc. 910 Crowder Rd, Shelby, NC 28150 Dedicated Land Application Site Permit #SR0300038

I certify that the carrier has delivered the materials described above to this facility, and I hereby accept this material for treatment and/or disposal in a manner that has been authorized by the Sate of North Carolina.

Facility Signature: Ray Towery Date: 4/30/12

Signature: William Brown Date: 4/30/12

Company Name ESI Title:

White/Facility Canary/Invoice Pink/Carrier Goldenrod/Generator

Jul 24 2008 8:34PM ENVIRONMENTAL SOILS 7044349533 p.1

ENVIRONMENTAL SOILS, INC.

P.O. BOX 295
LATTIMORE, N.C. 28089
704-434-0075

NON-HAZARDOUS PETROLEUM CONTAMINATED SOIL

APPROVAL # _____ MANIFEST # _____

LOCATION OF SOIL: 96 Catawba Street (Excel Env.)
Belmont, NC

TRANSPORTER: ECBA
625 Huntsman Ct, Gastonia, NC 28054

TIME: 11:35AM	TRUCK # 001	GROSS WT. 19820 LBS.
DATE: 4/30/12	LICENSE # _____	TARE WT. 11900 LBS.
DRIVER SIGNATURE _____		NET WT. 7920 LBS.
TIME: _____	TRUCK # _____	GROSS WT. _____ LBS.
DATE: _____	LICENSE # _____	TARE WT. _____ LBS.
DRIVER SIGNATURE _____		NET WT. _____ LBS.
TIME: _____	TRUCK # _____	GROSS WT. _____ LBS.
DATE: _____	LICENSE # _____	TARE WT. _____ LBS.
DRIVER SIGNATURE _____		NET WT. _____ LBS.
TIME: _____	TRUCK # _____	GROSS WT. _____ LBS.
DATE: _____	LICENSE # _____	TARE WT. _____ LBS.
DRIVER SIGNATURE _____		NET WT. _____ LBS.

TOTAL NET WT. 7,920

TOTAL EQUIV-TONS 3.96

INSPECTED & ACCEPTED BY ENVIRONMENTAL SOILS, INC.

SUPERVISOR'S SIGNATURE Ray Lowery

ENVIRONMENTAL SOILS, INC.
P.O. BOX 295
LATTIMORE, N.C. 28086-0489
704/434-0075
(704) 434-9533 FAX

Job Name: _____

Truck# 001

Gross Wgt.: _____

Tare Wgt: ~~GROSS~~ 11900 lb TARE
11:44AM 04/30/2012

Net Wgt.: _____

Tons: _____

NORTH CAROLINA
~~PUBLIC WEIGHMASTER~~
LICENSE EXPIRES JUNE 30, 2012
RAY TOWERY 31768

Weighed by: Ray Towery
INVALID UNLESS SIGNED

ENVIRONMENTAL SOILS, INC.
P.O. BOX 295
LATTIMORE, N.C. 28086-0489
704/434-0075
(704) 434-9533 FAX

Job Name: _____

Truck# 001

Gross Wgt.: GROSS 19820 lb
11:35AM 04/30/2012

Tare Wgt: _____

Net Wgt.: _____

Tons: _____

NORTH CAROLINA
PUBLIC WEIGHMASTER
LICENSE EXPIRES JUNE 30, 2012
RAY TOWERY 31768

Weighed by: Ray Towery